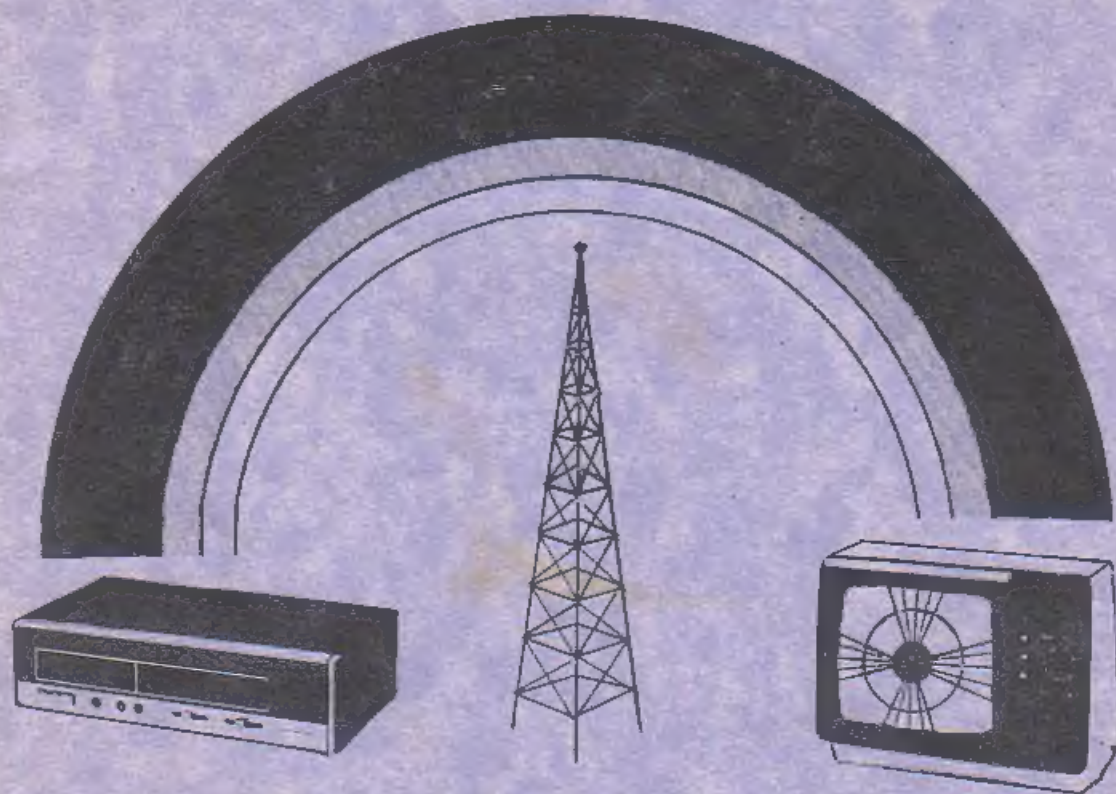


**VHF-UHF
DIGEST**
the official publication of the Worldwide TV-FM DX Association

APRIL 1977

TV-FM: The Season Begins Again...



From The Staff:

WTFDA Headquarters, P.O. Box 202, Whiting, Indiana 46394

CONVENTION '77...Our first Western gathering in Portland this summer is already being awaited with much anticipation. Hosts Frank Aden, Bill Block and Pat Martin report confirmed convention dates as August 5 to 7. Mark your calendar, and keep an eye on the Digest for more details!

DX GET-TOGETHER...An all-band meeting will be held at noon on Saturday, May 14, at Bill Block's home on 133 SE 31st Ave. in Portland. Free beer and refreshments will be served. For more information, call Bill at 503-234-1809. It's a great chance to see Portland before the convention!

COLUMN CHANGES...Don't forget that beginning next month, only 4 columns will exist for TV-FM DX reports. The Mississippi will be the dividing line for EASTERN and WESTERN TV DX; NORTHERN FM DX will cover states north of the Mason-Dixon line plus WA, OR, ID, MT, WY, ND, SD, NE, MN, IA and WI, while SOUTHERN FM DX will cover all other states and Mexico. If you're confused as to which column should receive your reports, drop a line to your editor (address on back cover) or to the DX column editor you suspect is yours. In non-DX column mergers, Robert Williams would appreciate your DX stories, as the editor of a combined MEMORABILIA and THIS IS YOUR DX column, and all news on station slogans/logos or foreign TV should be sent to Dave Pomeroy's FCC TV NEWS column. (INTERNATIONAL NOTES and TV CCI AIDS are no more.) Your comments, constructive criticisms, questions, and suggestions are welcomed!

TV STATISTICS/SCOREBOARD...By now you may have stopped wondering what's happened to this column. The answer is that we've been researching some editorship possibilities, but with no success, so it's back to you again. If you'd be interested in cataloguing and measuring members' distance records and log totals for TV, please drop a line to your editor at the address listed on back. It's a comprehensive job, so be ready to work!

REPRINT SERVICE...This popular new club institution has recently passed from your editor into the capable hands of Mike Hogan, and our records show that all but the most recent orders have been filled. If you have an order which has been outstanding for more than about 2 months, please drop us a line as soon as possible. Thanks to the many members who have purchased more than 1400 pages of reprints in less than a year!

73, *Clarke* for Pete, John, Mike, and Morrie

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MAILBOX

John Zondlo
6617 Maryland
Hammond, IN 46323
(219) 844-8694
Deadline: 15th

New Members:

Richard Eckman	2328 Griffith St.	Philadelphia, PA 19152
Thor Hauer	Bergfrueveien 4.A.	1720 Greaker, Norway
William Hepburn	5659 Highland Ave.	Niagara Falls, ON L2G 4X2
Michael McNeely	618 Sheridan Road	Evansville, IN 47710
Michael E. Myers	4148 Sheraton Drive	Flint, MI 48504
William Nicholson	1210 W. 37th St., Apt. 2	Los Angeles, CA 90007
Gary R. Walsh	503 Van Norman St.	Thunder Bay Sta. P., ON P7A 4B3
Arthur Williams	4521 S. Broadway	Los Angeles, CA 90037

Renewals:

Donald Allison, R.B. Ammons, Danny Buntin, Tom Cornell, Mike Dörner, Pat Dyer, Wayne Fitzgerald, David Leibold, Pat Martin, Henry McCoy, Fred Nordquist, Guy Ogden, Les Price, Theodore Quiroz, John Robertson, James Shepherd, Craig Simons, Joseph Smith, Jr., Richard Steinberger, Verrell Tallet, Peter V. Taylor, Steve West, Roger Winsor, Mike Worst.

Rejoin:

Ted Fleischaker-3023 Tremont Drive-Louisville, KY 40205

Address Changes:

Robert Buta-1502 Allendale, Apt. 15-Pasadena, TX 77502
Richard Clark-Avenida 27 de Febrero #23-Puerto Plata, Dominican Republic
Larry Weil-116 Independence Ave.-North Babylon, NY 11702

Renewals Due in May:

Roy Barstow, Joe Bradley, Carl Brown, William Dickerman, George Greeley, Jon Hauko, Roger Horie, Eldon S. Luoma, Alan Mayer, Lowell McCown, Marv Robbins, Edward Smith, Jr., James Young, Robert Zent.

RICHARD ECKMAN is another of the many BCB DXers interested in TV-FM DX. His main DX interest is the BCB, and he also dabbles in SW and TV DX. He's a member of NRC and IRCA.

From Scandinavia comes new member THOR HAUER. His DX gear includes a Tandberg Huldre 10 AM/FM stereo receiver. Thor found out about WTFDA thru the World Radio-TV Handbook.

Communications World is where MICHAEL E. MYERS learned of WTFDA. A member of NRC, Michael's DX shack features a Realistic DX-160 for SW and BCB and a Sony CRF-5100 for FM.

City of Angels new member WILLIAM NICHOLSON is a student at the University of Southern California. For FM DXing, William uses a Heath AR-1500A tuner and a Winegard CH-6065 antenna at 30'.

New member GARY R. WALSH has some impressive credentials- he's a radio producer for the Canadian Broadcasting Corporation (CBC). His interests cover FM and SW DXing, as well as ham radio and slow-scan TV. Gary's DX gear includes a Heath AJ-1515 tuner and a 10 element FM antenna with a rotor, a Trio JR-310 ham receiver, a Barlow Wadley XCR-30, and Realistic products including a DX-150B receiver, a Patrolman 9 multiband receiver, and a Patrolman Pro 7A VHF scanner.

Tidbits.....

Larry Vogt is interested in hearing from any member who experienced receiving European (particularly British) television within the USA during the last sunspot peak.

Veteran TV DXer Bob Seybold writes: "I really enjoy being in this organization and wish it continued success in years to come. I treasure the memories of past years - conventions - meeting new friends and DXers and the old ones - a grand bunch. It has been a terrible winter so far but I am looking forward to spring and its hopes. The best to the staff and keep up the good work."

That's all for this month....see you in May!.....jz



FCC TV NEWS AND DATA

Dave Pomeroy
KTWU--Channel 11
301 N. Wanamaker Rd.
Topeka, Kansas 66604

April 1977

TV Applications

Oklahoma City, OK	(14)	1170kw	1540AAT
Oklahoma City, OK	(14)	790kw	522AAT
Oklahoma City, OK	(34)	1343kw	1209AAT
Mt. Vernon, IL	(13)	316kw	786AAT
Miami, FL	(33)	1603kw	943AAT
Concord, CA	(42)	20.6kw	536AAT
Hanover, NH	(31)	20.9kw	470AAT
*Jacksonville, IL	(14)	4020kw	1608AAT
Baltimore, MD	(24)	1315kw	571AAT
Baltimore, MD	(54)	518kw	809AAT
Memphis, TN	(24)	841.8kw	990AAT
*Flower Mound, TX (Denton, TX area)	(2)	100kw	1671AAT
Manassas, VA	(66)	310.5kw	585AAT
Houma, LA	(11)	316kw	468AAT

CP's Granted

Longview, TX	(16)	400kw	737AAT
*Eufala, OK	(3)	100kw	1310AAT
*Park Falls, WI	(36)	741kw	1468AAT

Call Letter Applications

*KOET	Eufala, OK	new ch. 3
*KLRU-TV	Austin, TX	new ch. 18
WMBB	Panama City, FL	now WDTB
WTVG	Newark, NJ	now WBTB-TV
WJKW-TV	Cleveland, OH	now WJW-TV
KTVL	Medford, OR	now KMED-TV
KCIK	El Paso, TX	
*WERF-TV	Park Falls, WI	new ch. 36
WIFR-TV	Freeport, IL	now WCEE-TV
WQRF-TV	Rockford, IL	
WJLA-TV	Washington, DC	now WMAL-TV

Call Letters Granted

*WLEF-TV	Park Falls, WI	new ch. 36
KTVF	Fayetteville, AR	was KGTO-36
WQRF-TV	Rockford, IL	
WBAK-TV	Terre Haute, IN	now WIIL-TV
*WPTD	Kettering, OH	now WOET-TV
*WPTD	Oxford, OH	now WMUB-TV
KGMV	Mau, HI	now KGME-TV

*non-commercial, public television stations

Translators Granted

K09NK	Perryville, AK	
K061Y	Fifteen Mile Valley, CA	KTTV
K48AD	Lucerne Valley, CA	KTTV
K54AD	Lucerne Valley, CA	KCET
K02IL	Pagosa Springs, CO	KREZ
K06IX	Rangely, CO	KREX
K65AG	Mountaintop area, PA	WDAU
K10KI	NW Spokane, WA	was K09FO
K12KS	Nulato, AK	AFTV
K02IK	Gateview, CO	KBTB
K33AA	Ottumwa, IA	KIIN
K68BA	Pacific City, OR	KOAP
K05GE	Shell, WY	KULR
K12KT	Shell, WY	KTVQ
K07OM	Ambler, AK	KTVB
K07OP	Emmonak, AK	KENI
K07ON	Gambell, AK	KIMO
K07OO	Larsen Bay, AK	KAKM
K09NJ	Holy Cross, AK	KTVB
K09NI	Mekoryuk, AK	KENI
K09NG	Noatak, AK	KIMO
K09NH	Shungnak, AK	KAKM
K10KH	Shungnak, AK	
K10KG	Tenakee Springs, AK	
K02IJ	Somerset, CO	KOAA
K11NS	Natoma, KS	KLNE
K13OM	Natoma, KS	KSNB
K09NF	Chitina, AK	KTVB
K09ND	Old Harbor, AK	KENI
K07OI	Kipnuk, AK	
K48AC	N. Kenai, AK	KAKM
K07OK	CA Polytechnic Institute, CA	KCOV
K12KR	Toponas, CO	KOA
K59AV	Salmon, ID	
W67AJ	Ann Arbor, MI	WJIM
K58AO	Crystal Bay, NV	KOLO
K02II	Searchlight, NV	KSHO
K05GD	Smith, NV	KOLO
K65AX	El Dorado Valley, NV	KORK
W42AD	Unadilla Center, NY	WSKG

Thanks to:

Morrie Goldman, John Combs, Ron Wing,
Bill Coleman Jr., Clarke Ingram, and
Doug Everitt.

FROM THE READERS...

WTVQ-62 wants channel 36 assigned to Lexington, KY--now assigned to Portsmouth, OH... FCC is giving thought to adding short-spaced VHF "drop-ins" to the following cities: Charleston, WV(12), Johnstown, PA(8) or Altoona, PA(12), Knoxville, TN(8), and Salt Lake City, UT(13)...In Durham, NC new owners of WRDU-28 plan drastic programming and technical improvements...also in Durham, Carolina Christian Broadcasters are planning to apply for channel 22...WPCB-22 in Pittsburgh now plans summer target date...WGTQ-8 in Detroit, MI is new station on air; not WGTU-29 in Traverse City as reported in this column in January--WGTQ must be a satellite of WGTU...WBOY-12 in Clarksburg, WV has dropped NBC in favor of ABC...WFMZ-69 in Allentown, PA is on the air with a "big" 18.25kw; is a revival of the old WFMZ-68 which operated there in the 1950's (Does anyone know if they are using the same transmitter? dp)...Although many rumors circulate about a fourth commercial network, no definite plans have yet been announced...WPGH-53 in Pittsburgh is now on all night Friday and Saturday nights...Channel 55 in Leesburg (Orlando, FL) is being sought for use as Spanish outlet...Kentucky Educational Television Network hopes to buy defunct WDXR-29 in Paducah, KY for new outlet in statewide PTV system--asking price right now is \$1...Morrie Goldman has again pointed out the threat to our hobby as a result of the increased use of UHF (and maybe VHF) channels by land mobile interests.



FM NEWS

Bruce F. Elving, Ph.D., Editor
18 1/2 East Fifth Street
Duluth MN 55805

New Stations Granted

CO Aspen ("Snowmass-at-Aspen," which I assume is the same or virtually the same as plain "Aspen") K261AJ \$, r (KQIX 93.1 Grand Junction CO translator) 100.1, 10 watts
FL Orlando *89.9 10 watts FL Tech. U.
IN Rockville 104.9 1200 h.v.; 440' 14 miles primary; 45 miles secondary
KS Iola 99.3 3000 h.v.; 300' 15, 46 miles
LA Minden 95.3 3000 h.v.; 145' 9, 37 "
MA Worcester *89.1 10w Holy Cross College
MI Escanaba 104.7 100000 h.v.; 345' r; 32, 76mi
NE Crookston 96.1 57000 h.v.; 510' 51, 121 km, ethnic (Indian). Rosebud Educational Society, but not known if station to be operated as a noncommercial station or not. Transmitter believed to be in South Dakota.
NY Albany *90.9 10 w State U of NY
OH West Carrollton *88.1 10 w, adding to the proliferation (and map crowding) near Dayton of ten-watters. [46, 92 miles
OR Albany 99.9 100000 h, 50000 v; 1075'; k /
OR Brookings 95.3 3000 h.v.; -208' S, 17 miles
TX Marshall 103.9 3000 h.v.; 300' 24, 74 km
VA Richmond *90.1 10 w; U of Richmond
WA Yakima 98.3 700 h.v.; 560' 23, 71 kilometers
WI Marathon W221AB 92.1 \$ g (WRVM 102.7 Suring WI translator).

OnAir and DX Ready (Presumed)

AL Birmingham WYOK-FM 99.5 100000 h.v.; 870' \$, p, has telemetry only SCA.
AL Troy WFSU-FM *90.1 50000 (h only?); 285'
AK Kenai KQOK 100.1 3000 h.v.; 175'
AR Hope KHFA 104.9 3000 h.v.; 300' Stereo
AR Nashville KNAS 105.5 km 3000 h.v.; 85'
ID Nampa KUUZ 96.9 44000 h.v.; 2520' 56, 105 miles, Stereo; SCA (on with changed facilities)
KY Madisonville WDOF-FM *89.9 15000h.v.; 300' g
NE Superior KRFS-FM 103.9 500 h.v.; 59'
MT Billings KRER-FM *88.9 10 watts
OK Sapulpa KXDJ-FM 100.9 2000 h.v.; 360' \$, m, r
TX Orange KIOF 105.1 \$ 100000 h.v.; 1060' "K-106," music format not reported (?).
WV Rainelle WRRF-FM 96.7 1250 h.v.; 460'
WY Sheridan KROE-FM 94.9 58000 h.v.; 44'

On Air with Changes (Selected)

NY Troy WFLY 92.3 13000 h.v.; 850'
OR Ashland KSOR *90.1 1950 h.v.; 1340'; \$; A
TN Morristown WAZI 95.9 460 h.v. (770')
TN Seawee WUTS *91.5 10 (from *88.1)
TX Mc Allen KVMY-FM *96.9 100000 h.v.; 225'

Facilities Changes Granted

AK Kenai KQOK 100.1 175' (3000 h.v.)
CA Chico KFHF 93.7 10,000 h.v.; 330' 20, 55 mi.
CA Los Banos KLSB-FM 95.9 adds v(ertical)
CO Denver KLIR 100.3 94000 h.v.; 890' 69, 143km
KOSI-FM 101.1 100000 h, 64000v, DA, 790'
FL Bonita Springs WLEQ 95.9 1100 h.v.; 490'
ID Caldwell KBXL 94.1 has vertical polarization
IN Muncie WBSI from 90.7 to *92.1 3000 h.v.; 300'
IA Cherokee KCHE-FM 92.1 (or 102.3) 210' (3000hv)

ME Westbrook WRON 100.9 3000 h.v.; 225' \$; r
MA Walpole WMAA *91.5 adds vertical (10 w)
MI Flint WCK 105.5 2350 h.v.; 330' 15, 46 mi
MS Jackson WKXI 94.7 68000 h.v.; 430' 33, 74"
NE Columbus KJSX-FM 101.1 adds vertical
NJ Trenton WJBH 101.5 50000 h.v. (120') [560'
OH Columbus WNCI 97.9 175000 h, 105000 v DA/
OH Struthers WKEL *90.7 15000h, DA; 23'
PA Philadelphia WYSP 94.1 16000 h.v. (900')
TN Cookeville WPTN-FM 94.3 adds vertical
VA Appomattox WTTX-FM 107.1 " "
VA Roanoke WLRG 92.3 goes from -57' to 2000' (20000 h.v.) 74, 146 kilometers' coverage.
UT Cedar City KBRE-FM 94.9 25500 h.v.; 1680'
UT Salt Lake City KUER *90.1 has vertical
WA Pasco KOLU *90.1 adds vertical
PR Hormigueros WBOZ-FM *92.1 110' (3000h.v.)
PE Charlottetown CBC-FM from 103.1 to 95.9; 93500 h.v.; 825'; 69, 140 kilometers.

Deletion

MB Missi Falls CHMF 96.1 (hydro plant construction ceases; city of "Missi Falls" apparently vanished)

Formats/Networks

AR Monticello KHEM-FM 93.5 \$ KY Carrollton
AR Walnut Ridge KCAC 106.3 \$ E WYCM 100.1 km
CA San Diego KLFM 90.1 r (from rm)
FL Clearwater WOKF 95.7 may have dropped
ABC-FM (see lower note about WLCY-FM)??
FL Jacksonville WQJX 98.1 E (from Mutual)
FL Panama City WKGC *90.7 P KY Elkhorn City
FL Tampa WLCY-FM 94.9 A WECL 103.1 r; \$
WRQ 104.7 no A KY Harrods-
GA Americus WPIR 97.7 m (from rm) burg WBNH-
IL Geneseo WRSQ 104.9 m; \$ FM 99.3 km
IN Terre Haute WYTS 100.7 1 LA Shre-
KS Ellsworth K224AC 92.7 m (not nr) report
KS Garden City KUPK-FM 97.3 1 KEPT
KS Great Bend K257AB 99.3 m (not nr) 96.5 E
KUGB-FM 104.3 m (not nr) ME Ban-
KS Lyons KLOQ 106.1 m (not nr) ger LA
KS Wichita KUHM *89.1 s WBGW (not
KFBI-FM 101.3 is k (not kp) 197.1 E
KY Hodgenville WLCB-FM 106.3 m (not r), but
some k heard. The station plays "oldies,"
and I assumed these were rock oldies until
I heard a tape Ted Fleischaker sent, re-
vealing that it plays oldies! [Disco]
KY St. Matthews WSTM 103.1 rs (so-called /
ME Brunswick WKXA-FM 98.9 k; no network
ME Lincoln WLNK-FM 99.3 r; i; Stereo
MD Lexington Park WDMH 97.7 A
MA Springfield WNAS-FM 94.7 rumor has it will
switch to separate rock programming
MN St. Louis Park KFUX 104.1 A (from NBC)
MO Butler KNOE 92.1 km [Rock]
MO Rolla KMMR *89.7 \$; KCLD-FM 94.3 k (from/
MO Warrensburg KCMH *90.9 mostly classical
NH Manchester WGR-FM 101.1 r (from m); \$
NM Los Alamos KRSN-FM 98.5 mc NY Utica WOUR
NM Santa Fe KSNM 95.5 mc 96.9 ABC-FM
NY Cortland WSUC *90.7 r
NY Fulton WKFM 104.7 no network (was Mutual)
OK Lawton KRLG 98.1 rp (not rm)

NC Greensboro WONG 97.1 rs (from nr)
OH Bowling Green WKIQ 93.5 1
OH Canal Fulton WAWR *90.9 rock
OH Elyria WBEA 107.3 E SC Green-
OH Ottawa WPMH 106.3 Y ville WESC-
OK Okmulgee KLLS 94.3 m FM 92.5 k
OK Ponca City KLIOR 99.3 r (not rm)
OK Poteau KLOO-FM 97.9 rp (no k)
OK Pryor KKMA 104.5 gk [longer m]
OK Stillwater KSPI-FM 93.9 r (no /
OK Tonkawa KAYE *90.5 r ("very pro-
fessional 10-watter") [news, NIS]
SC West Columbia WSCQ 100.1 r (from/
TN Clinton WYSH-FM 104.9 k (from r)
TN Knoxville WBR-FM 103.5 C ("A")
TX Brenham KWHI-FM 106.3 E
TX Clear Lake City KLYX 102.1 S (AP
Audio, replacing NBC's N.I.S.) [S
TX College Station KAMU *90.3 c; j, P/
TX Dallas KAFM 92.5 r (from rk)
TX El Paso KPAS 93.9 ABC-FM
WA Tacoma KNBQ 97.3 A (from Mutual)
WV Morgantown WJAJ-FM 101.9 m (not
r); SCA has sports
WOW-IDers (Selected; see also read-
ers' reports)

MI Port Huron WSAQ 107.1 Q-107
NY Jamestown WJSE 93.3 SE-93
OH Cleveland WONT 107.9 FM-108
PA Erie WCKK 103.7 K-104
ON Kitchener CKGL 96.7 "Big Country"
Stereo, or to go Stereo
CA Berkeley KALX *90.7
IA Emmetsburg KEMD 98.3, m [MI Mid-
KS Hiawatha 103.9, m [land
ME Norway WOXO 92.7, r WRCI
ME Orono WNEB *91.9, r 193.5 r,
ME Portland WPOR-FM 101.9, k Mutual
ME Rumford WRUM-FM 96.3 r; no CBS
MO Farlington KFLJ 98.5
NM Albuquerque KXKE-FM 94.1
NY Stony Brook WUSB *90.1
OH Cleveland WBOE *90.3 m; talk; P
TN Cleveland WCLE-FM 100.7, r
TN Jefferson City WBSM 99.3, mk

SCA (67 kHz) News

AL Birmingham WENN-FM 107.7 adds
SCA; network remains B (National
Black), not adding Mutual Black.
CT Westport WDJF 107.9 Q (PRN)
GA Atlanta WREK *91.1 talk (educa-
tional programs)
ID Jerome KFMA 102.9 adds SCA [IX].
IL Effingham WCRC 95.7 facsimile /
LA New Orleans WWOH *89.9 telemetry
only.//AL Birmingham WERC-FM 106.9
telemetry only.//
NY New York WRFM 105.1
music. OH Newark WNKD 101.7 no SCA
heard to date; must be telemetry.
TX Waco KEFC 95.5 has SCA
VA Richlands WOTH 105.5 adds SCA
OK Oklahoma City KAEZ 107.7 sr,
still monophonic.

FCC-FM

Call Letters

AL Fayette 98.1 WKWV (was WVEL) (was KKDY-FM)
 AK Nome 100.3 KICY-FM
 CA Bakersfield 107.9 KKXX (KUZZ-FM) KVCQ
 CA Indio 103.1 KCHS
 CA Mariposa 96.3 KUOB
 CA Pacific Grove 104.9 KOCH
 CA Salinas 102.5 KDON-FM (KBEZ)
 CA San Francisco 99.7 KYUU (KNAT); \$, m, may have NBC news late at night
 CA Truckee 101.7 KEZC (KSNL); now m music?
 CT Wallingford *89.9 WWEB
 FL Daytona Beach 94.5 WMLV (WOLN)
 FL Lehigh Acres 107.1 WSWF (WAYK-FM)
 FL Tampa *88.5 WIND ("Wonderful Wind?")
 GA Columbus 102.9 WRBL-FM (WRBL-FM)
 GA Macon 107.9 WCRY-FM (WCRY-FM)
 ID Pocatello 104.9 KRBQ
 IL Pana 100.9 WKXX
 IL Zion 96.9 WKZN-FM (WKZN-FM)
 IN Kokomo 92.7 (from 93.5) WZVZ (WKNO)
 IA Sioux City KWIT (KWIT-FM)
 KY Louisville 97.5 WAMZ (WAMS); \$, k, no NIS
 LA Lafayette 99.9 KTOY (KPEL-FM)
 LA Many 107.1 KWLX
 LA Sulphur 100.9 KLOQ
 MD Emmitsburg *89.9 WMTB
 MI Grand Rapids 101.3 WMLW (WYOM)
 MI Ironwood 106.9 WUPM
 MS Clarksdale 106.3 WJAD
 MO Tarkio 93.5 KTRX
 NE Omaha KEFM 96.1 on air with \$, m (interim)

Abbreviations Used (Selected)

c classical, e ethnic, g gospel, k country, m middle of the road music, n news, p progressive rock, r rock oldies, top hits and "soft rock," s soul, t talk. Networks: A ABC-FM, B National Black Network, C CBS, E ABC Entertainment, I ABC Information, M Mutual, N NBC, P National Public Radio, Y ABC Contemporary, Z Mutual Black Network. \$-stereo; v vertical polarizⁿtin

FCC Waivers Granted

The effective date of the FCC's extension to the AM-FM program nonduplication rule has been extended from May 1, 1977 to June 1, 1977 (one month). This rule requires AM-FM stations in cities of over 100,000 to duplicate only 25% of the time, with stations in cities of 25,000 to 99,999 having to transmit separately for the first time 50% of their schedules. Of perhaps even more significance are the many waivers the FCC is granting to this rule—in some cases rather long extensions are being granted. This list will probably expand, but for now here is the complete listing of stations being granted waivers to continue their AM-FM program duplication practices, and the dates to which the waivers are effective: WAIN-WCAC (FM) Anderson SC to Feb. 1, 1978; KUPD-KUPD-FM Tempe AZ to June 1, 1978; WGRD-WGRD-FM Grand Rapids MI to Oct. 1, 1979; WZUU-AM-FM Milwaukee WI Dec. 1, 1979; KIXJ-AM-FM Seattle WA Feb. 1, 1978; KOWB St. Paul and KOWB-FM Richfield to May 1, 1978 for 100% duplication and to May 1, 1979 for 50% duplication; WVOX-WVOX-FM New Rochelle NY to Nov. 1, 1977 or until WVOX-FM begins transmitting with 2400 h.v.; 330'; KLUC-KLUC-FM Las Vegas NV, 30-90 days; KSMA-AM-FM Santa Maria CA May 1, 1979; KCLO-AM-FM St. Cloud MN Nov. 1, 1977; WORE-AM-FM Wilkes-Barre PA Aug. 1, 1977; WAKX-AM-FM Duluth MN, Superior WI June 1, 1979; KHAK-AM-FM Cedar Rapids IA May 1, 1978; KZAM-AM-FM Bellevue WA Feb. 1, 1978; WYLD-AM-FM New Orleans LA June 1, 1979; KFJZ-AM-FM Fort Worth TX "60-day extension of current waiver"; KTCS-AM-FM Fort Smith AR Sept. 1, 1977; KGNC-AM-FM Amarillo TX Aug. 1, 1977. The Commission denied the request of KVIL Highland Park and KVIL-FM Dallas-Highland Park TX to continue duplication. As these stations sluggishly begin complying with the AM-FM nonduplication rule watch for program format and network affiliation changes, particularly on the FM sides, and send in the news to this column. It is expected that a greater number of stations will begin complying between now and June 1 — especially stations in the 25,000 and up population category, so watch for these. And when you see that a station in your area is changing its call letters, try to tune it in and see if its programming format, network affiliation, or stereo status is changed. Stations often change call letters when changing music formats, and the FCC's extended AM-FM program nonduplication rule might result in more stations changing their call letters (and/or going to silly "non-IDs") than would otherwise be the case.

I now have FM-SCA working in a portable radio and in the car. Both systems perform very well, and as I travel about I hope to be able to have more accurate news for this column from what I can "snooperwise." Details later in an article I hope to write.

NJ Blackwood *91.5 WOBK
 NJ Sea Brunswick 98.3 WMOQ (WQMR)
 NM Aztec 94.9 KRYK-FM
 NY Rochester 92.5 WMLQ (WVWZ); \$, r, UP
 Audio (drops all-news, NIS)
 NC New Bern 101.9 WRBK (WDBU)
 NC Wilmington 97.3 WHSL (WWIL); A (from Z); drops soul, but not known for sure what WWIL's new music will be, except it will be what the AM station's music was.
 ND Mandan 104.9 KHOR
 OH Columbus 96.3 WLVQ (WTVN-FM), r (from m); no network (was I); "Q-FM-96."
 OH Dayton *88.5 WWSU
 OK Weatherford 97.3 KKEY-FM to 400' (89000hw)
 OK Ontario 96.1 KXBO
 PA Lancaster 101.3 WUCE (WGL-FM)
 PA Oil City 98.5 WRJS (WJZR)
 PA Pittsburgh 96.1 WXXX (WTAE-FM)
 PA Ridgway 94.3 WTMX (WKBI-FM)
 SC Surferside Beach-Garden City 103.1 WYAK-FM
 TN Dickson 102.3 WTND (WOKN-FM)
 TN Huntingdon 100.9 WPGV
 TX Amarillo 98.7 KZLP-FM (KFRN)
 TX Floresville 94.3 KWCB
 VA Charlottesville 136.7 WNCB
 VA Richmond 136.7 WNCB
 VA Richmond 136.7 WNCB

COMING SOON
 on a Radio
 Near You
 THE
 BIG SWITCH
 WHSL-
 WWIL

Simon Geller faces FCC Hearing for WVCA

The Commission has set for hearing the application for WVCA-FM 104.9 Gloucester MA, along with a competing application of the Grandbank Corp. Issues to be considered include whether a waiver should be granted to allow WVCA to operate less than 12 hours a day; if Geller is qualified to be an FCC licensee; and which application to be granted.

WA Seattle 96.5 KYYX (KYAC-FM)
 WI Sheboygan 97.7 WJZR (WHBL-FM)
 WI Waukesha *86.1 WCCX
 WY Sheridan 95.5 WNYO-FM
 PQ Longueuil-St. Lambert 98.5 CIEL; \$; Dolby

DOLBY CHANGES: Based primarily on the latest list supplied by the Dolby Co., but including information supplied by reporters that in some cases contradicts that which Dolby supplied. All stations listed below adding Dolby unless otherwise noted.

CA Berkeley KPFA 94.1, CA Los Angeles KJOL 96.7, CA San Diego KLRQ 94.9, CA San Francisco KKHI-FM 95.7
 CT Hartford WDRG-FM 102.9
 ID Moscow KDOI *89.3; 1, too
 IL Urbana WLL-FM *90.9
 KS Hutchinson KSKU 102.1
 KS Manhattan KMKF 101.7
 KS Topeka WISN-FM 97.3 [Dolby]
 KY Louisville WLRS 102.3 no longer/
 KY Louisville WUOL *90.5 [Dolby]
 LA Baton Rouge WMBF 102.5 no longer/
 MO Greenfield KRFG 93.5, NY Geneva WEOS *89.7, TX Houston KLEF 94.5
 TX Lamesa KDOI 104.7; \$, too
 TX Nacogdoches KSFA-FM 92.1
 VA Altavista WKDE-FM 105.5 no longer
 Dolby, WI Delafield WHAD *90.7
 WI Highland WHHI *91.3, WI Madison WERN *88.7, but no mention that the rest of the WI Ed. Radio Network is so equipped; NB Moncton CFMO 103.9, ON Brampton CFNY 102.1, ON London CFPL-FM 95.9, ON North Bay CKAT 93.7
 ON Tillsonburg CKOT-FM 101.3
 ON Wingham CKNX-FM 101.7, \$; heard testing without identifications.

SCA in the car (see below)

Readers' Reports and Comments

A group is forming to apply for a noncommercial, educational FM station in Provincetown RI, the city's first, with plans for it to be on the air 18 hours per day and with at least 1 kw. WBAI 99.5 New York was still off the air at last report, with a lookout of the staff by the management, after some of the staff took over the station's programming directly at the Empire State Building transmitter site. About the Atlas: "On people's comments about too much information, I say the more the better for a DXer. As an example, last year I heard four stations with the same classical music selection. One station ID'd as Wisconsin Ed. Net. Not knowing what stations were in the net, I could not identify the other three, until the new Atlas came and I saw the 'extra' map on p. 75." Allen Rockford says that anyone hearing WONO 107.9 Syracuse NY should not write to him for a verification, as he is no longer working there; Allen doubts that anybody there would answer a letter requesting a verie, so good luck!

WRQK 98.7 Greensboro NC calls itself "K-99," or "Superpower 99," although they still use their call letters with their slogans, so are not what I'd call true "non-IDers." WQMG 97.1 sometimes calls self "97-FM," with rock 6 am to 7 pm, "Adult Contemporary in Stereo," and "Souldin Stereo" 7pm-6am.

"In the back of the Atlas you mention the availability of 'up-to-the-minute' computer printouts. What is the price per state for these? (I suggest you answer this in your column, as it may generate some sales.)" The price for the applications list (new station applications only, not including facilities' changes) is \$3.00 to club members. By state for all stations on the air and authorized, if you really want to update your Atlas it is \$2.00 (no partial states); the entire deck would cost \$25, which covers the entire U. S., Canada, and misc. countries on the air and authorized.

WIFE-FM 107.9 Indianapolis' facilities are being applied for by a number of applicants; Variety reported that WIFE-FM exceeds Class B facilities, and the other lady FMs want the new station cut back to 50 kw at 500', so as to be competitive. The item below largely concerns WNNS Louisville KY:

Louisville's Ted Fleischaker, 3023 Tremont Drive, 40205, would like to swap tape cassettes of beautiful music FM stations. The NIS news format ended quite abruptly at 12:01 am Feb. 28 when "manager Hugh Barr made an announcement that due to the upcoming end of NIS and the economic problems they had, the news format was ending and a new format, 'America's Music' [k] was starting. They did the oddest change of calls I ever heard, with him then saying that the listeners were to hear an historic moment and adding, 'This is WNNS Louisville, and this is WAMZ Louisville'. That was it, and with that, the computer went to the new automated country format" on 97.5.

WXEN 106.5 Cleveland was to switch to soft rock, but the announced change drew such protests from the station's foreign-language listeners that it has been delayed, and possibly permanently called off. WXEN was supposed to change call letters. After getting a report from a Kalamazooite that WDOV-FM Dowagiac was being "translated" by somebody locally on 92.1 prior to WDOV-FM's actual move to 92.1 from 97.7, I checked and found that WDOV-FM never had any translators, legal or extralegal "there or anywhere else," although they have a sister station in K'zoo, WKPR (AM).

WCAR-FM 92.3 Detroit mis-identifies as "Car-92." The latest program guide from WMXM *88.9 Lake Forest IL gives their power as 10 w, although the FCC lists it as 300 w, which would indicate at least a 50-watt transmitter. I wrote and asked them, but no reply. They're on noon-midnight weekends and 7-9 am; 3 to 11 pm weekdays (until 1 am Sat. and Sunday mornings). From Red Wing MN:

A long friendly letter came from KCUE-FM in response to a report they were on 105.7 instead of 105.5, with the owner asking the reporter to call them collect if he ever notices that problem; a lot different from the treatment Fred McCormack and I got from the owner of KEGH-FM Fosston MN when we notified them of a similar problem! The big new voice of KSUI 91.7 Iowa City should be on in April or May (100 kw, 1310' with v, but directional somewhat away from the north). One reader would like me to say in what direction the major lobe of FM directional stations points. The FCC does not report this information. Usually in FM the difference is not great, with no major "lobe," as such but rather usually a suppression to some extent of the signal in the directional of a station that may be interfered with. By consulting the FMaps you should be able to tell co-channel or adjacent-channel stations that may be protected. KSUI will protect KLSE Rushford MN with their DA.

More nonIDers: KGOR 99.9 Omaha NE now "Rock100" instead of "99-KG." KQKQ 98.5 Council Bluffs IA "KQ-98"; KRNO 102.5 Des Moines is "Q-102." The new KXOJ-FM Sapulpa OK has a very good signal in Enid. This reporter would like to send more updates before my next Atlas deadline and wonders what the deadline is. I don't know; I'm not even sure there will be a 1977 edition; depends on how well the '76 edition copies sell, so don't wait for deadlines—either for the Atlas for for this column—but send in your FM station news whenever you want. I don't like to be rushed before any deadline, but like to have my work spaced out. KJNP-FM 100.3 North Pole AK has its transmitter on order and should be on the air this summer. (Contributors' names to be run next month.)

CANADIAN NEWS REPORT

MARK L. LEWIS
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Ottawa, Ont K2P 0W4
J. JOEL ROSENBERG
909-40 Godstone Rd
Willowdale, Ont M2J 307

NORTH OF THE BORDER REPORT

APRIL 1977

FM NEWS ** APPROVALS

PEI—CHARLOTTETOWN CBO-FM 93.5 kw. Pres: 103.1 MHz Auth: 96.9 MHz Sat. CBH-am
PQ—BAIE JAMES, 100.5 MHz 116 watts (fr. lang.)
Sta. ADELE 99.5 MHz 50 kw.
DUPLANTER 100.1 MHz 297 watts Sat. CBFR-FM Radiason
PETITE OPINACA 100.3 MHz 146 watts Sat. "
EASTMAIN 105.1 MHz 59 watts Sat. Petite Opinaca above
LAO BOYD 95.1 MHz 59 watts Sat. "
JONQUIERE 92.5 MHz 423 watts (had requested 93.7)
LONGUEUIL 98.5 MHz (had requested 93.5 which CBL-FM now occupies)
ONT—BROOKVILLE CBOB-FM 100.3 MHz 100 kw. Sat. CBO AM & FM on air (via FM SCMO)
BROOKVILLE CBOF-FM-7 102.1 MHz 3 kw. Sat. CBOF AM Ottawa on air "
PENETANGUISHENE CJBQ-FM-20 96.5 MHz 15.3 kw Sat CJBQ AM Toronto
PETERBOROUGH 106.3 MHz 31 kw. Sat. "
PENETANGUISHENE 107.5 mhz 15.3 kw. Sat. CBL AM Toronto
COBORG ? applied for 103.1 100 kw (granted to another party) Sat. CBL
ORILLIA CBOC-FM 105.9 MHz 8.64 kw. Sat. CBL AM via CBL FM SCMO
TORONTO CBL-FM to carry CBL-AM on SCMO
PETERBOROUGH CKPT-FM 105.1 MHz 50 kw.
LONDON Sat. CJBQ Toronto, also an independent ---both had requested 99.3
which was granted to another party. Suspect one will be on 100.5
MAN—EASTERVILLE CBWE-FM 95.5 MHz Pres: 40.5 watts Auth: 85.5 watts
BC—KITIMAT CBUK-FM 101.1 MHz Pres: 65 watts Auth: 101.5 watts
LYTTON CFFM-FM-6 4.8 watts Pres: 106.1 MHz Auth: 102.3 MHz
VANDERHOOF 96.7 MHz 118 watts Sat. CBU-AM via CFFR-AM Prince Rupert
FORT FRASER 102.9 115 "
BURNS LAKE 99.1 327 "
HOUSTON 102.1 318 "
SMITHERS 97.5 161 "

** APPLICATIONS

NFLD—PORT HOPE SIMPSON 105.1 MHz 83 watts Sat. OFGB-am Happy Valley
NS—HALIFAX 90.5 MHz 100 kw. Sat. CBH-AM Halifax!!! Complaints of poor quality
nighttime AM signal results in this ridiculous solution by CBO!
PQ—SEPT-ILES 96.9 MHz 15 kw. Sat. CBL-AM to replace CBL-AM low power AM xmtr
MONT JOLI 95.1 MHz 100 kw. (fr. lang. indpt.)
CAMP LG4 100.1 583 watts Sat. CBFR-FM Radiason
LAFORGE 99.9 520 watts Sat. "
BRISAY 100.5 520 watts Sat. "
RIVIERE DU LOUP 107.1 MHz 8380 watts (fr. lang.)
GASPE 103.1 MHz 79 watts (fr.)
RIVIERE AU RENARD 97.9 MHz 58 watts Sat. Gaspé 103.1 above
LA MALABAIE 92.9 MHz 805 watts Sat. CBY-AM Quebec
BAIE COMEAU 99.7 MHz 3 kw. Sat. CBL-AM (to replace CBL-AM low power AM xltr)
ANQUI 97.3 Mhz 2470 watts Sat. AM indpt stn. in Rimouski
CAUSAPSCAL 98.3 MHz 82 watts Sat. Anqui 97.3 above
ONT—WINDSOR 89.9 MHz 100 kw. Sat. CBL-FM Toronto CBO ENG FM net
KINGSTON CKLO-FM 98.3 MHz Pres: 47.7 kw. Prop: 95.5 kw.
BRAMPTON CFFY-FM 102.1 MHz & Pres: 857 w. Prop: 100 kw. This may finally pass!!
ALTA—EDMONTON 93.3 MHz 100 kw. CBO ENG FM net.
RED DEER 102.5 MHz 1560 watts Sat. CBR AM & FM Calgary
RED DEER 103.5 MHz 1560 watts Sat. CHFA-AM Edmonton CBO FR AM net.
FOX LAKE 96.9 MHz 148 watts Sat. CBX-AM Edmonton
JEAN D'OR 102.5 MHz 52 watts Sat. "
BC—CACHE CREEK-ASHROFT 95.3 MHz 125 watts Sat. CFFM-FM-4 Clinton
WILLIAMS LAKE 97.5 MHz 176 watts Sat. CFFM via CFFM-FM-5 Mt. Timothy

** TIDBITS

APPLICATIONS WITHDRAWN—SARNIA, Ont 103.9 3 kw. Sat. CBEF-AM Windsor (AM signal improved)
SIMCOE, Ont 107.5 3 kw. Sat. CBL-AM Toronto

Bob's Tek-Notes

by Robert B. Cooper, Jr.



WHAT HAPPENS (almost) EVERY APRIL...

Warmer weather returns. Cold goes away. THE DX SEASON STARTS ALL OVER AGAIN!

April is truly the month of transition. In April, the DX season starts to do its thing. All forms of DX (with the possible exception of meteor work) are about to take a dramatic rise. Even Roger Brown's pulse rate quickens as the first signs of truly warm weather bring back thoughts of the preceding year's DX activity.

Why is DX a summertime thing? Actually, it is not. It just seems that way. For the truly devoted serious-type DXer with the proper equipment, almost any time of year will or can produce DX. It just all seems to fall together in April, however, for tropo and Es and other good forms of extended-range TV and FM DX activity.

Well, April is here. So where is the DX?

SPORADIC E-SKIP

The E-skip season usually gets underway in the south and southwest around April 15th. In years past, it has been known to get started earlier (anytime after the 1st) and later (as late as the 30th or so). Most of the early-season Es hits late in the morning or late in the afternoon. There is usually little Es activity north of the fabled Mason-Dixon line until after the 21st or so, some years not until 1 May.

April Es seems to have little form to it. It can occur in most any direction, and suddenly. And it can (and often does) shut down very quickly. If there is any auroral activity during April, the chances for Es activity are markedly increased during the 72 hour period following the onslaught of the auroral activity. If you live far enough north to be attuned to the presence of auroral activity, it will help to alert you to the possibility of aurorally-induced Es soon thereafter.

Anytime after April 25th, Es to the south or southeast chances a link-up with Caribbean area Es and can bring in reception from one or more of the island stations in Puerto Rico and those south and east, or Venezuela. (The subject has been covered extensively in past TEK-NOTES.) The best time of day, based upon experience, for this sort of double- or triple-hop Es is after 4 p.m. and before 7 p.m. local time.

In summary, to keep an eye peeled for Es, turn on your receiver and let it run on your lowest open low band (2-6) channel. Keep an extra close eye on the receiver between 8 and 10 a.m., 11 a.m. and 1 p.m., and 4 and 7 p.m. Your antenna should be pointed into an area producing Es reception for your area (i.e. if you live in the northeast, point south or southwest, etc.).

TROPO BENDING

Tropospheric inversion (tropo) is the most common form of DX. Stations 100 to 300 miles distant are considerably stronger than normal (15-30 dB) in the early-morning hours (6 to 9 a.m. most common), and in the mid to late evening (8 to 11 p.m. most common). This type of DX is very common virtually all summer long, and DXers with better than average installations usually pay little or no attention to this type of improvement in DX conditions, simply due to the fact that it is always there.

The early-morning variety of tropo, caused by the sun's heating of the middle and then lower atmosphere, forms a temperature inversion layer in the 500-3000 foot level of the atmosphere. This inversion level tends to refract VHF and UHF signals beyond their normally horizon-limited coverage areas for distances of up to 300 miles. If your installation is good enough, you probably have already received some type of forward-scatter signal over these distances, possibly on a regular day-in and day-out basis. With the added help of the morning (or the evening) temperature inversion, these signals lose their irregular sharp fading and increase in signal strength by as much as 30 dB.

This type of DX is typified by gradually weaker signals from stations further and further away (i.e. 100 miles, 150 miles, etc. out to 300 miles) coming through. Eventually you will reach a distance where the signals are weak enough that your equipment simply will no longer respond. That is the limit of your equipment sensitivity (not necessarily of the opening).

TROPO DUCTING

A tropo duct is very much like a pipe line. It extends from your receiving location to some distant point, and any signals that fall along the line that the duct travels may be trapped in the "pipe line" and find their way to your receiver, with amazing signal strength for short periods of time.

The duct is invisible within the relatively lower atmosphere. Ducting forms along sharply different atmospheric pressure gradients (i.e. along the boundary between two such gradients), along sharply different temperature gradients, and/or along sharply different humidity gradients (moisture content of the air).

A duct almost has to be a straight (great circle) line between your location and the transmitter location. And ducts are usually easy to see on a detailed weather map as stretching from point "A" to point "B" along a weather front, directly across and through a high pressure ridge, or along a wind shear boundary line.

Ducts are the work of the devil, and the properly equipped long-haul DXer's best friend. Virtually all UHF DX over 500 miles has a duct involved, as does virtually all high band and low band tropo DX over 600 miles.

April can be a dandy time for ducts. Where there are sharply contrasting weather patterns in the United States (i.e. cold air in the north coming down from Canada, warm air in the south coming up from the Gulf), boundary lines between differing air masses form. And, if the line where the two differing air masses meet is NOT too disrupted by violent weather (storms, etc), a duct will form.

In the far southern tier of states (Florida, along the Gulf and into Texas), ducts are especially productive, with several good sessions likely from south Texas east to all of Florida during April. In the midwest from Minnesota south to Texas, north-south ducts are likely late in the month as far western weather patterns take on almost north-south frontal lines in their sweeps across the country from west to east. By the same token, slightly slanted (s.w. to n.e.) front lines stretching from central and northern Texas on one hand to the middle Great Lakes on the other can also cause some nice ducts to form.

Most ducts form on the leading edge of a frontal line, and as has been discussed many times here previously, UHF is the best place to be when a duct forms, followed by high band VHF, FM, and low band VHF, in that order.

73, Bob Cooper, Jr.

MINI-REVIEW: SONY'S ST-5950SD

by Danny Buntin

Sony's new \$450 top-of-the-line FM tuner, the ST-5950SD, supersedes the ST-5130 reviewed in a past WUD (Pete Oprisko, August '76). Its most remarkable feature is its complete capacity for receiving Dolbyized broadcasts. A bulkier new front panel design, more detailed linear tuning, and lack of a pulse-noise suppressor distinguish it from the ST-5130. Switchable AFC remains.

To analyze the tuner's quality, I compared it in A-B fashion to a top-notch tuner, the Pioneer TX-9100. Surprisingly, the Sony seemed a poor challenger in most categories. The sensitivity of the Pioneer in both mono and stereo put the Sony to shame; weak signals barely readable on the TX-9100 became solid noise on the Sony. In an area relating to sensitivity was an S-meter comparison: signals registering two on the Pioneer read zero on the Sony.

The ST-5950SD's stereo threshold is incredibly high. On the Pioneer it's not hard to bring in stereo from Dallas-Fort Worth stations at 240 miles (erratically), but the Sony barely managed stereo from full-power KWHP 97.7, 40 miles away, for more than half the time. It's ironic that Sony would stick its new Dolby tuner with such a high threshold level when Dolby is supposed to quiet noisy stereo. To compound the confusion, there are no labeled adjustments for stereo or muting sensitivity when the cover is removed.

I couldn't judge effectiveness of the Sony's Dolby system since KWHP, the only area station thought to be Dolbyized, evidently is not. Switching in Dolby only added more noise to the already weak stereo signal. Cross-modulation was an equally pesky problem for both tuners.

There was one area the Sony gave the Pioneer a good run for its money. As far as adjacent channel selectivity is concerned, both tuners could pick up equally well KUOA 105.7, 150 miles away, next to local KVRO. Both can almost center-tune KVOA under slightly better than usual tropo conditions; the same can be said for an adjacent Dallas station on KVRO's other side.

I also found the Sony's multipath meter to be practical. Most surprising was the discovery that multipath reception from semi-locals in Oklahoma City and Tulsa was possible.

In conclusion, though, I'd say that Sony's ST-5950SD does not merit any special consideration when one is ready to buy a top-quality FM tuner.



Southern F.M.DX

DAVE COX
2007-E Brandywine Ct.
Birmingham AL 35216

April 1977

Deadlines: the 10th

The frigid weather which had been so dominant in the South's weather for the previous several months began to loosen its grip in February. And with the beginning of the thaw came slightly improving conditions for DX. A few record low temperatures were set during the early part of February, but by the end of the month warmer weather had arrived with a few record highs being set. The warmer weather not only brought on the improving band conditions, but also a dust storm, a weather phenomenon rarely seen in the Southeast. In fact, the best DX of the month evidently was heard on the dates the dust storm was the primary weather feature.

Hank Holbrook, 7211 Chestnut Street, Chevy Chase MD 20015 EST

DXing from our cottage at Fair Haven MD overlooking the Herring and Chesapeake Bays, 15 miles below Annapolis MD.

2-19-77

1305 WOLC 102.5 MD Princess Anne (60mi.)
brand new station, rx, time
checks & Country Gospel Hour
1400 WHDM 97.7 MD Lexington Park (35);r
wx & ads with news from American
FM Radio. Brand new.
1658 WEAA 88.9 MD Baltimore (40) Morgan
State Univ. Aimed for black
audiences, carries NPR programs,
WEAA Weekend Rept., Univ. Forum.
very good programming, well thought
out and presented.

2-20-77

0010 WUSL 98.9 PA Philadelphia (120);r
exwPBS, IDs as "US-1" & "FM99"
with wx and ads
1126 WBKZ 95.9 MD Glen Burnie (30);r
wx & ads, IDs as "Z-96"
1556 WKNC 88.1 NC Raleigh (250);r call
heard only once in over 3 hrs.
very rough copy - fading in &
out with another station. ABC
Information news, public service
announcements

It warmed up enough for us to get down to the cottage. I had intended to concentrate on LW and 2mcs. but much static and much to my surprise a bundle of stations added on FM. Must be a record here for the off month of February. Unfortunately, 3 new locals are blocking more channels; FM is becoming cluttered like AM. I thought they were going to avoid that! Also testing but not on while I was at the bay is WFW Washington 89.3, Pacific Foundation.

Rotor is still not working, but got up on roof and turned it from NE to SW so I'll be ready for skip season. After turning it, I got the only DX for the month - WKNC! Rotor will NOT be replaced this year! Three shot in 10 years and I'm disgusted!!!

Verifies now at 791 from 35 states, Manitoba, Quebec, Ontario and Nova Scotia plus Cuba, Bermuda, and Puerto Rico.

73, Hank

Leslie Price, 115 Parkwood Dr., Wilmington NC 28401 EST

Received the following stations Saturday, Feb. 26 while there was a high pressure ridge along the Atlantic Coast. There was also a lot of dust with visibility down to about 3 miles and SW winds.

2-26-77 (0700 to 0830)

WIRK 107.9 FL West Palm Beach "FM 108"
WWSA 107.3 FL St. Petersburg
WPRR 107.5 SC St. George \$ and quad
WFEL 106.5 NC Bridgeton (New Bern) FM106 1/2
WXYI ? NC Wilson (tentative) y-106
WNCB 105.5 SC North Myrtle Beach
WLEL 105.9 FL DeLand
WJW 105.1 FL Orlando "BJ-105"
WBBQ 104.3 GA Augusta
WLAT 104.1 SC Conway
WCRG 103.9? Orangeburg (SC? ...dsc)
EZL 103.5 SC Charleston
WAV 102.7 NC Wilmington w/NBC rx
WZAT 102.1 GA Savannah
WRAL 101.5 NC Raleigh
WZQZ 101.7 SC Myrtle Beach
WFM ? SC Columbia (FM Atlas lists
this stn on 101.3 in Sumter SC ...dsc)
WJL 100.3 FL Orlando
WJFC 99.9 NC Burgaw "We are Praising
Jesus Christ"
WMPR 88.1 SC Sumpter

2-26-77 continued

WSB 98.5 GA Atlanta "Beautiful Music 98"
WENC 99.1 NC Whiteville
WBEU 98.7 SC Beaufort k
WQSM 98.1 NC Fayetteville "Q-98"
WXTG 96.9 SC Charleston "FM 97"
WYYD 96.1 NC Raleigh "all music, all
the time"
WMBL 95.9 NC Morehead City
WGGF 95.5 GA Savannah "FM 95"
WQDR 94.7 NC Raleigh
WPXI 95.1 SC Charleston
WLS 94.3 NC Wallace
WTOG 94.1 GA Savannah C; "Country 94"
WPUZ 93.7 FL Ocala
WTTN 93.3 NC Washington
WHR 92.1 SC Myrtle Beach
WUNC 91.5 NC Chapel Hill
WLTR 91.3 SC Columbia
WSP 90.9 NC Warrenton "Radio for Very
Special People"
WFR 90.1 SC Greenville
WSCI 89.3 SC Charleston
WHA 88.9 NC Raleigh

(many thanks for the report ...dsc)

Kenneth R. Simon, 528 Pilgrim Road, West Palm Beach FL 33405 *ST

2-25-77
 Tr 1930 WSCI 99.3 SC Charleston w/NTR pro-
 gramming & ID
 WGYL 93.5 FL Vero Beach w/ads & ID
 WBOG 87.75 FL Orlando TV ch.6
 73's Ken (note Ken's 2-122 loggings

2-26-77
 Tr 0730 unID 88.1 ? parallel to WSCI
 suspect WTR 88.1 Sumpter SC
 Note nothing exciting! Ho hum, but I
 haven't done too much checking.
 were reported in the March WUD ... dsc)

David Cox, 2007-E Brandywine Ct., Birmingham AL 35215 *ST

Equipment: Penna auto 8-track/FM stereo unit used indoors with homemade dipole under
 the window; GE multiband portable using the built-in whip

2-25-77

Tr 0826 KATZ 94.1 AL Carrollton (75rd.);mr
 0831 JTVY 95.5 AL Dothan k;(175)
 0835 WKSJ 94.9 AL Mobile k;(200)
 0840 WBLX 92.9 AL Mobile s;(200)
 0842 WQUE 93.3 LA New Orleans (300)
 0847 WFSU 91.5 FL Tallahassee (265)
 0850 WGGC 90.7 FL Panama City r;(240) NPR
 thought I had my first 10-watter, but
 the CE wrote that their ZEP is 9210
 0908 WABB 97.5 AL Mobile r;(200)
 0909 WALT 97.1 MS Meridian r;(125)
 0910 WIRB 96.9 AL Enterprise (150)
 0917 WSLY 99.3 AL York (100)
 0923 WBGM 98.9 FL Tallahassee n;(265)
 0927 WBOP 101.5 FL Pensacola s;(200)
 0931 WQCM 101.7 GA Albany k;(200)
 0935 WTUN 100.1 AL Selma k;(75)

2-25-77 continued

Tr 0940 WQSI 100.9 AL Union Springs r;(145)
 0944 WZHM 102.7 FL Milton k;(190)
 0950 WRBL 102.9 GA Columbus (140)
 2140 WTHI 103.3 LA Hammond r;(300)
 2141 WZZQ 102.9 MS Jackson p;(220)
 2145 WGLF 104.1 FL Tallahassee r;(265)
 2152 WPMF 102.5 LA Baton Rouge r;(325)
 2204 WPCS 89.3 FL Pensacola g;(200)
 with ABC news "provided through the
 courtesy of AMEX radio"
 2222 WAFB 98.1 LA Baton Rouge rm;(325)

2-26-77

Tr 0020 WTAM 102.3 MS Gulfport s;(250)

nothing spectacular heard but there were
 quite a few new stations heard to help
 begin to fill a rather sparse log.

A reminder to all members that beginning with the May WUD (report deadline is April 10th),
 Western FM DX will be dissolved and members who previously reported to that column will
 report to either the Northern or Southern FM DX columns. Members who live in the following
 states should report to Southern FM DX: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO,
 MS, NC, NM, NV, OK, SC, TN, TX, UT, VA, & WV. Till next month, 73s

NORTH OF THE BORDER RePCRT (continued from page 8)

APRIL 1977

- # JEM10-- GRAY FM, Ont 98.7 100 kw. Sat. CHFI-FL Toronto
- # JEM10--**SCMO (67 kHz) on JKL4-FM Windsor, Ont.
- #**IASI FALLS, Man CHMF-FM 6.1 10 kw. to C3DU Lynn L. off air Dec. 3
- CALL-- 300T Trail, bc now C3TA GALT Co portable, p4 now C1LQ
- CFM 117.1 Toronto requests C1LQ ("silk-ss 4-107")
- CHCZ 99.9 St. Johns NF off-airship stn. for new KFLD FM net. Je don't know if new
 transmitter will have its own call.
- # Ottawa motor of the trans-Canada net one will be on 106.7
- # 2KAD-FM RDD D.L.R., Alta joins C3C FM (213) network.
- # CBL4-FM HCFE, BC 101.7 10 kw. it is on the air.
- # Application for new Toronto 99.5 10 kw. S to C3F-FM Centre 1 (C3C FM FRL-Oh N t.)
 delved pending study regarding interference to existing USA st. t. n.
- # CHCM*F Centre 1 ordered by CRTC to end experiment of bilingual programming.
- # C1ML-FM Lukovik, LB 99.5 broadcasts 8 hours per week in Inuit language.
- # FM crisis in TORONTO -- Stations broadcasting from 100' ON TCMR were forced to
 reduce power because overloading on downtown receivers is higher than originally
 anticipated. The two stations recently started on 99.1 & 107.1 would like to
 locate on the new 70-storey office tower to avoid the higher rental costs
 of ON TCMR. To avoid ON TCMR power reduction, the 2 new stations would have to
 join the tower. As of the present, the new rock station (107.1) have accepted
 the move for 2 years free rent. The all-news station (99.1) is holding out.

FLASH***** On air t. tin ...CH42 106.1 Ottawa 100 kw. for 1 starts in 1 to her
 seen t. tin ... CBLFT-4 Peterborough 100 kw. 444 40 kw.
 later for on 15- Belleville 100 kw. 444 40 kw.
 On air t. tin ... C3F 99.7 Peterborough 100 kw. 444 40 kw.
 later for on 15- Belleville 100 kw. 444 40 kw.

WESTERN FM

Steven C. Wiseblood
707 Loma way
Santa Maria, CA

Beginning with the MAY V.U.D., You will have two new editors for those of you who had previously sent your material to me! I have been informed that this will be my last column for WESTERN FM DX. So, beginning with the MAY V.U.D. (The Deadline being Apr. 10), Please send your reports to SOUTHERN FM DX if you live in the states of CA, NV, AZ, NM, TX, OK, KS, CO & UT. Or, if you live in OR, WA, ID, MT, WY, NE, SD, ND, MN, IA then please send your reports to NORTHERN FM DX. The VUD will look lots neater, and maybe not so cluttered with only 2 FM editors instead of 3. I also understand that the TV editors are also being cut back, so please see the column that you normally report to for details. Oh, by the way, if you live in AK, UK or Canada report to NORTHERN FM DX

Doug Everitt, 1710 W. Maine, Enid OK 73701 (CST) (25 Jan -01 Mar)

Equipment: Kenwood KT-8007 tuner, 10-el yagi @ 35', CDE rotor

25 Tr 2052 KKYK 103.7 AR Little Rock, r 350	5 Es 1742 XHLC 98.7 JAL Guadalajara, m
26 Es 1722 WMCU 89.7 FL Miami, g 1290	1742 XHLS 99.5 " " rm
28 Es 1345 WPCS? 89.3 FL Pensacola, g 740	1742 XEAV 100.3 " " r
1800 WPCS 89.3 FL Pensacola, g 740	1742 XHMA 101.1 " " Lk
1814 WBBM? 90.3 AL Birmingham 670	1742 XEAD 101.9 " " Lr
29 Es 1139 KXLU 88.9 CA Los Angeles 1150	1742 XEHL 102.7 " " r
1142 KFYE 93.7 CA Fresno, r 1210	1750 X--- 104.3 " " o
1143 KYZO 95.5 CA Fresno, kr 1210	7 Es 1912 WZZQ 102.9 MS Jackson, g 530
1144 KMJ- 97.9 CA Fresno, c 1210	MUF was ch.7 at 1908
1144 KPFG 101.1 CA Fresno, r 1210	1913 WJMI 99.7 MS Jackson, s 530
1144 KUUL 92.1 CA Madera, m 1210	1914 WRPM 107.9 MS Poplarville, jk
1156 KQED? 88.5 CA San Francisco 1340	1915 WHSY 104.5 MS Hattiesburg, r
1200 KTRI 92.3 NV Las Vegas 960	1916 WHER 103.7 MS Hattiesburg, mr
1202 XHRM 92.5 BCN Tijuana, L 1110	1916 WGUD 106.3 MS Pascagoula
1203 KPSS 94.1 CA San Diego, c 1110	1918 WQSR 102.5 FL Sarasota 1110
1205 XHIS 90.3 BCN Tijuana, m 1110	1919 WRBQ 104.7 FL Tampa, r 1080
1207 KXYX 96.5 CA San Diego, m 1110	1923 WFLA 93.3 FL Tampa, m 1080
1210 KSON 97.3 CA San Diego, r 1110	1926 WPMO 99.1 MS Pascagoula
1218 KVLN 93.7 CA Coachesella, L 1040	1930 WROA 107.1 MS Gulfport
1220 KQXY 98.5 CA Cathedral City 1060	1932 WLPR 96.1 AL Mobile, m
1222 KDES 104.7 CA Palm Springs, m 1050	1933 WKRG 99.1 AL Mobile
1258 KBBY 95.1 CA Ventura, r 1180	1937 WMRQ 92.1 MS Brookhaven
1300 KEWE 95.9 CA Camarillo, r 1170	1939 WCCA 94.1 MS McComb, m
1301 KUSC 91.5 CA Los Angeles, c 1150	1942 KZQZ 94.3 Golden Meadow, LA ID as
1303 KPMJ 104.7 CA Oxnard 1170	"The all new Z-94"
1309 KTMS 97.5 CA Santa Barbara, r 1220	8 Es 1043 XHJE 94.1 PUE Puebla
1315 KQLH 95.1 CA San Bernardino 1090	1045 XHRH 93.3 PUE Puebla, LJ
1318 KWST 105.9 CA Los Angeles, r 1150	1046 XHZM 92.5 PUE Puebla, mr
1323 KPSG 96.3 CA Los Angeles, g 1150	1050 All Mexico City have 96.9 & 104.1
1415 XHM, XEBS, XEDA, XHQK, XHFO, XEJP, all in Mexico City.	1110 XHRO 95.5 JAL Guadalajara, rm
30 Tr 1802 WJMI 99.7 MS Jackson, r, 530	9 Tr 0849 KICV 90.5 MO Maryville, m 320
no other area stations in, in very briefly. WAPT-16 noted tentatively.	0855 KMGK 93.3 IA Des Moines, r 420
31 tr 1421 KUMR 88.5 MO Rolla 360	0903 KSPT 105.1 MO St. Joseph, m 280
Es 1435 WFDD 88.5 NC Winston-Salem, c 1000	0906 KGOR 99.9 NE Omaha, o/KSKG! 350
1439 WUNC 91.5 NC Chapel Hill 1080	0925 KFOR 102.7 NE Lincoln, m 310
1441 WQDR 94.7 NC Raleigh, rp 1090	0930 KCMW 90.9 MO Warrensburg, lcl lvl
1523 WPUB 94.3 SC Camden, sr 1010	0944 KMOE 92.1 MO Butler, m
1604 WQWG 88.3 NC Boiling Sprs., r 910	0947 KROA 95.7 NE Grand Island, m 320
1607 WEPR 90.1 NC Greenville, 890	0949 KRGI 96.5 NE Grand Island, rk 320
1 Tr 1340 all Kansas City stations in	1006 KPMW 107.9 IA Waterloo, 510
1340 KJLC 88.5 MO Kansas City, g 260	(heard last in March)
1346 KCMW 90.9 MO Warrensburg, jm 290	1012 KDPS 88.1 IA Des Moines, j 420
1845 KCBI 89.3 TX Dallas, gc 260	1014 KLYF 100.3 IA Des Moines, m, 420
5 Es 1720 many Mexican uniDs	"K-Life"
1731 XHNH 95.1 GTO Irapuato, ID	1015 KRNQ 102.5 IA Des Moines, auto f
1737 XHJL 91.3 JAL Guadalajara, mL	1018 KQCR 102.9 IA Cedar Rapids, m
1737 XHCD 92.3 " " L	1024 KAOL 101.1 MO Carrolton,
1737 XHSC 93.9 " " mL	1047 KTAP 103.9 NE Crete, r
1737 XHRO 95.5 " " mr	1056 KGOR 99.9 NE Omaha, pay 'o/KSKG!
1737 XEJB 96.3 " " c	1115 KCLD 98.9 KS Leavenworth, m
1737 XEBA 97.1 " " L	1115 KPFM 96.1 NE Omaha, 350
1737 XETIA 97.9 " " "	1115 KOOO 104.5 NE Omaha, k 350
	1 GW 1046 KXOJ 100.9 OK Sapulpa, mr
	(new on air!)

22 Feb tropo was the best seen here on FM in a long, long time. I hope this marks the beginning of a good FM tropo season! Plans are underway to raise the horizontal yagi to 50', perhaps with the addition of a vertical at a lower height. I hope to have a digital readout alongside my faithful KT-8007 some day. My log is now at 338. Best DX!

Pat Dyer, 5315 Silvertip Dr., San Antonio TX 78228 (2 Jan - 7 Mar) (CST)

2 Es	1701	WPMR	96.5	WI	Milwaukee, c, ID	
	1701	WZUU	95.7	WI	Milwaukee, r, ID	
	1701	WTTI?	94.5	WI	Milwaukee, m	
	1704	WQFM?	93.5	WI	Milwaukee	
	1710	WDUZ?	98.5	WI	Green Bay	
	1710	WDOR	93.9	WI	Sturgeon Bay, PSA	
	1710	WEEKS?	93.7	WI	Monroe	
	1714	WBKV	92.5	WI	West Bend, area ads	
	1845	TGRT	88.8	GUAT	Guatemala	
3 Es	1827	XEBS	89.7	DF	Mexico City	690
	1827	XHCS?	93.9	JAL	Guadalajara, SS	
	1827	XETIA?	97.9	JAL	Guadalajara, SS	
	1830	XELA	98.5	DF	Mexico City, c	690
5 Tr	0155	KIEL	95.1	TX	Beaumont, EL, ID	275
	0155	KSNS	96.1	LA	Lake Charles, r	275
	0205	KYKR?	93.3	TX	Port Arthur, k	280
13 Tr	1010	KLBK	94.5	TX	Lubbock, m, ID	340
	1018	KWMJ	103.3	TX	Midland, EL, ID	275
	1045	KORQ	100.7	TX	Abilene, EL, ID	220
Es	1825	KESD?	88.3	CA	San Diego	1120
	1836	XHIS	90.3	BCN	Tijuana, local ad	
	1836	XHRM	92.5	BCN	Tijuana	1100
	1836	XHQ5	95.7	BCN	Tijuana	1100
	1839	KIFM	98.1	CA	San Diego, r	1120
	1854	KPSD	94.1	CA	San Diego, area ad	
	2026	KBYU	88.9	UT	Provo, c	1045
16 Es	1847	KPSD?	94.1	CA	San Diego, operatio	
	1902	KVIM	93.7	CA	Coachella, SS	1070
	1902	KMET?	94.7	CA	Los Angeles, r	1190
	1902	KLOS?	95.5	CA	"	r 1190
	1909	KPKK?	90.7	CA	"	1190
	1914	KXTC?	92.3	AZ	Glendale, EL	840
	1936	KDXU?	93.5	UT	St. George, EL	1005
	1948	KTDB	89.7	NM	Ramah, Navajo	695
22 Es	1640	XHM?	88.9	DF	Mexico City, EL	690
	1640	XEBS?	89.7	DF	Mexico City	690
	1654	TG--?	88.1	GUAT	Guatemala	1120
	1657	TGDK	94.9	GUAT	Guatemala	1120
	1657	TGY?	98.6	GUAT	Guatemala	1120
	1657	Guatemalans are in strong				
	1712	TGRT	88.8	GUAT	Guatemala	1120
	1806	XHSB?	95.3	DF	Mexico City	690
	1806	XEW	96.9	"	"	r, W-FM
	1810	XELA?	98.5	"	"	c
	1825	XEDF	104.1	"	"	local ad
	1829	XEQR	107.3	"	"	
	1829	XHPOF?	99.3	"	"	
	1900	XHOF	105.7	"	"	ID
	1901	XHDFM?	106.5	"	"	local ad
	1902	XERPM?	103.3	"	"	c
	1904	XHTB?	105.9	MOR	Guernavaca, EL	735
	1910	XERC?	97.9	DF	Mexico City, r	690
	1910	XEOY?	100.9	"	"	
	1910	XEX?	101.7	"	"	
	1910	XHCM?	88.5	MOR	Guernavaca	735
	1915	XEDA?	90.5	DF	Mexico City	690
	1915	XHQK	91.3	DF	Mexico City	690
	1916	XHNP?	89.3	PUE	Puebla	735
	1916	XHJE?	94.1	PUE	Puebla	735
	1932	XHM	88.9	DF	Mexico City, ad	690
24 Es	1829	WMCU?	89.7	FL	Miami, g	1150
	1829	XHM?	88.9	DF	Mexico City, EL	690
	1829	CMQ-	90.5	CUBA	Habana	
	1832	XHNP?	89.5	PUE	Puebla	
	1832	WCVU?	94.5	FL	Naples, EL	1050
24 Es	1837	WBUS	93.9	FL	Miami Beach, PSA	
	1837	WINZ?	94.9	FL	Miami	1150
	1837	WDAN?	95.7	FL	Clearwater	960
	1840	WUSF?	89.7	FL	Tampa, r	985
	1842	WEDR?	99.1	FL	Miami, r	1150
	1842	WMIX?	96.3	FL	Miami, r	1150
26 Es	1810	WERN?	88.7	WI	Madison, c	1065
	1812	KSJH	90.1	MN	Collegeville, nx	
	1812	KRSW?	91.7	MN	Pipestone, nx	1010
	1818	KBCM	95.5	IA	Sioux City, ad	910
	1821	KJDY?	94.5	ND	Bismark, m	1200
	1827	KBEM?	88.5	MN	Minneapolis	1110
	1829	KESD	88.3	SD	Brookings, PSA	1020
	1831	WCAL	89.3	MN	Northfield, ID	1080
	1831	KUSD?	89.7	SD	Vermillion	920
	1844	KXTZ	94.1	NV	Henderson, ad	1040
	1850	KKLS	93.9	SD	Rapid City, ad	1040
	1850	KVSR?	97.9	SD	Rapid City, g	1040
	1852	KCHF?	93.5	SD	Sioux Falls	975
	1911	KELO	92.5	SD	Sioux Falls, EL	975
28 Es	1358	WCNE	88.7	OH	Batavia, ID	1045
	1606	KQDY	94.5	ND	Bismark, MoR	1200
Tr	1607	KBOP	98.3	TX	Pleasanton, ads	35
Es	1620	KWYR	93.7	SD	Winner, ads	960
	1628	KEYA?	88.5	ND	Belcourt, NPR	1330
	1628	KUSD?	89.7	SD	Vermillion	920
	1709	KSJR	90.1	MN	Collegeville, nx	
	1712	KMSR?	94.3	MN	Sauk Centre, nx	
	1716	KLPD	95.3	MN	Litchfield, ads	
	1717	WWJO	98.1	MN	St. Cloud, PSA	1140
	1717	KEYC?	99.1	MN	Mankato, EL	1125
	1720	KSTP	94.5	MN	St. Paul, ID	1060
	1724	KTWN	107.9	MN	Anoka, PSA	
	1727	KROC	106.9	MN	Rochester, ID	
	1729	KPMW	107.9	IA	Waterloo	
	1730	KKWS	106.9	MN	Wadena (// KwAD-AM)	
	1732	WCFW	105.5	WI	Chippewa Falls, ads	
	1734	WMAD?	106.3	WI	Middleton, WI nx	
	1737	WDLB	106.5	WI	Marsfield, ads	
	1741	KSEL	105.7	IA	Waterloo, ads	
	1744	KYSM	103.5	MN	Mankato, ad	
	1751	WEVR	106.3	WI	River Falls, ad	
	1759	WAPL	105.7	WI	Appleton, ID	1165
	1805	WJML	98.9	MI	Petoskey, ID	1320
	1807	WJGS	98.5	MI	Houghton Lake, ad	
	1812	W1AA?	88.3	MI	Interlochen	1255
	1812	WCMU?	89.5	MI	Mt. Pleasant	
	1823	WHSB?	89.9	WI	Brule	
	1829	WJVM	94.3	IL	Sterling	
	1833	KNOF	95.3	MN	St. Paul, wx	1110
	1842	WDOR	93.9	WI	Sturgeon Bay	1225
	1843	W1AL?	94.1	WI	Eau Claire, EL	1115
	1847	KMRS	95.7	MN	Morris, ID	1125
	1850	KMGK	93.3	IA	Des Moines, ID	880
	1901	WJPD?	92.3	MI	Ishpeming, NBC nx	
	1902	KOEL	92.3	IA	Gelwein, ID	985
	1912	WFRL	98.5	IL	Freeport, ID	1000
	1913	WVFC	97.7	IL	Monmouth, ID	905
	2118	KOOL?	94.5	AZ	Phoenix	835
	2118	KRFM?	95.5	AZ	Phoenix	835
29 Es	1144-1214	KBYU?	88.9	UT	KUER? 90.1	
31 Es	1455	WQED?	89.3	PA	Pittsburgh, wx	1045
	1502	WAFB	88.3	OH	Cincinnati, wx	1035
	1505	WYSU?	88.5	OH	Youngstown, c	1275
	1510	WAUP?	88.1	OH	Akron, j	1240
	1532	CJOM	88.7	ONT	Windsor, m, ID	1230

WESTERN FM DX

31 Es	1559 WOSU	89.7	OH	Columbus, ID	1130
	1559 WKSU?	89.7	OH	Kent	1255
	1617 CEL?	94.1	ONT	Toronto, c	1435
	1617 CKDS	95.3	ONT	Hamilton, EL	1400
4 Es	0929 XEBS?	89.7	DF	Mexico City, m	690
	0940 XEDA?	90.5	DF	Mexico City	690
	0955 XHJM?	89.5	MOR	Guernavaca	735
5 Es	1734 KOGL	94.5	AZ	Phoenix, ID	835
	1734 KRPM	95.5	AZ	Phoenix, EL	835
	1735 KUPD	97.9	AZ	Tempe, area ad	825
	1736 KDKB	93.3	AZ	Mesa, r	820
	1737 KMEO	96.9	AZ	Phoenix, EL	835
	1850 KSDS	88.3	CA	San Diego, j	1120
6 Es	1643 KDKB?	93.3	AZ	Mesa, r	820
	1659 KAIR	94.9	AZ	Tucson, EL, ID	750
	1701 KIFM?	98.1	CA	San Diego, r	1120
	1705 KFSD?	94.1	CA	San Diego, c	1120
	1705 KYXY?	96.5	CA	San Diego, EL	1120
	1705 KALJ?	95.1	AZ	Yuma, EL	970
	1707 KOOL	94.5	AZ	Phoenix, wx	835
	1707 KUPD	97.9	AZ	Tempe, r	825
	1707 KBBC	98.7	AZ	Phoenix, r	835
	1714 KWAC	106.3	AZ	Sun City, ad	850
	1715 KFFE	105.5	AZ	Casa Grande, ad	805
	1717 KSTM	107.1	AZ	Apache Junction, r	
	1725 KRPM?	95.5	AZ	Phoenix, EL	835
	1729 KMEO	96.9	AZ	Phoenix, EL, ID	835
	1732 KDOT	100.7	AZ	Scottsdale, ID, EL	
	1850 XHCM?	88.5	MOR	Guernavaca	735
	1900 XHSH?	95.3	DF	Mexico City	690
	1900 XEW?	96.9	"	"	690
	1900 XELA?	98.5	"	"	c
	1917 XEJP?	97.7	"	"	"
	1929 XHNP	88.9	"	"	"
	1930 XHM	89.7	DF	Mexico City, c	690
	1950 XHTB	105.9	MOR	Guernavaca, ID	735
7 Es	1214 KPCS?	89.3	CA	Pasadena?, r	1185
	1215 KPFX?	90.7	CA	Los Angeles	1190
	1215 KCSN?	88.5	CA	Northridge	1210
	1221 KCRW?	89.9	CA	Santa Monica	1200
	1222 KCLU?	88.9	CA	Los Angeles	1190
	1223 KLON?	88.1	CA	Long Beach	1180
	1225 KVIM?	93.7	CA	Coachella	1070
	1225 KPOL?	93.9	CA	Los Angeles	1190
	1225 KUSC?	91.5	CA	Los Angeles	1190
	1702 WERN?	88.7	WI	Madison, NPR	1065
	1704 WLVE?	94.9	WI	Baraboo, EL	1085
	1706 KWGA?	95.1	MN	Worthington	995
	1715 KVSF?	97.9	SD	Rapid City, g	1040
	1716 KKLS	93.9	SD	Rapid City, r	1040
	1720 KSID	95.3	NE	Sidney, nx, EL	845
	1722 KNEB?	94.1	NE	Scottsbluff, EL	900
	1729 KIBC	93.5	NE	Ogallala, ID	825
	1735 KVID	99.5	CO	Denver	810
	1735 KMYR?	93.7	SD	Winner	960
	1742 KUAD	99.1	CO	Windsor, ID	840
	1743 KIMN?	98.5	CO	Denver	810
	1744 KDJQ?	97.9	CO	Pueblo	735
	1747 KLZ?	106.7	CO	Denver	810
	1752 KBPI?	105.9	CO	Denver, r	810
	1752 KADK?	105.1	CO	Denver	810
	1753 hi-band TV	Es	thru ch. 13'		
	1859 WMAZ	106.3	WI	Madison, ID	1065
	1900-wasted 2 hrs			looking for VOR's	
	1950 KQSW	96.5	WY	Rock Sprs., ID	1025
	1958 KNIS	94.7	NV	Carson City, ID	1370
	2014 KXTZ	94.1	NV	Henderson, EL	1040

APRIL 1977

7 Es	2014 KILA?	95.5	NV	Henderson	1040
	2014 KLUC?	98.5	NV	Las Vegas, r	1050
	2018 KMAJ?	97.9	CA	Fresno, c	1315
	2018 KNEV?	95.5	NV	Reno	1380
	2018 KYNO?	95.5	CA	Fresno, r	1315
	2029 KSAN?	94.9	CA	San Francisco	1475
	2030 KMET?	94.7	CA	Los Angeles, r	1190
	2032 KABL?	98.1	CA	San Francisco	1475
	2053 KCSN?	88.5	CA	Northridge	1210
	2053 KPCS?	89.3	CA	Pasadena	1185
	2110 KQED?	88.5	CA	San Francisco	1475
8 Es	1115 KRPM?	95.5	AZ	Phoenix	835
	1115 KFSD?	94.1	CA	San Diego, c	1120
	1118 KALJ	95.1	AZ	Yuma, ad	970
	1120 KOOL	94.5	AZ	Phoenix, ID	835
	1120 KLR0?	94.9	CA	San Diego	1120
	1122 KNOB?	97.9	CA	Long Beach	1180
	1124 KWKY?	98.5	CA	Cathedral City	1080
	1130 KPBS?	89.5	CA	San Diego	1120
	1229 KIFM?	98.1	CA	San Diego, r	1120
	2012 KPCS	89.3	CA	Pasadena	
	2012 KCLU?	88.9	CA	Los Angeles, c	1190
	2015 KPOL?	93.9	CA	"	EL
	2015 KMET?	94.7	CA	"	r
	2021 KBCA?	105.1	CA	"	J
	2024 KWST	105.9	CA	"	r
	2027 KJOI	98.7	CA	"	EL
	2029 KNAC	105.5	CA	Long Beach, ad	1180
	2032 KBBL	99.1	CA	Riverside, g	1140
	2032 KNOB	97.9	CA	Long Beach, ID	1180
	2035 KROQ	106.7	CA	Los Angeles, r	1190
	2039 KOLA	99.9	CA	San Bernardino	1135
	2042 KIFM?	98.1	CA	San Diego, r	1120
	2049 KPRI?	106.5	CA	"	r
	2053 KYMS?	106.3	CA	Santa Ana	1165
	2101 KAPX	107.9	CA	San Clemente, nx	
	2110 KOST?	103.5	CA	Los Angeles	
	2115 KWIZ?	96.7	CA	Santa Ana	
	2125 KCLU?	89.7	CA	Riverside	1140
	2125 KCSN?	88.5	CA	Northridge	1210
	2130 KCLU?	88.9	CA	Los Angeles	1190
	2134 KLON	88.1	CA	Long Beach	1180
	2146 KCRW	89.9	CA	Santa Monica, bkbl	
	(rather weird - with the south coast on 88-89 but no sign of Ch. 4!)				
9 Es	2020 KBYU?	88.9	UT	Provo, c	1045
10 Es	1100 tent:	KCSN-88.5; KPCS-89.3			
	1838 tent:	KPFX-90.7; KPOL-93.9			
	1838 KMET	94.7	CA	Los Angeles, ad	
	1838 KLOS	95.5	CA	"	r
	1838 KWST	105.9	CA	"	r
	1838 KROQ?	106.7	CA	Pasadena, r	1185
	1838 KOST?	103.5	CA	Los Angeles	1180
	1843 KWKY-	98.5	CA	Cathedral City	1080
	1848 KPRI	106.5	CA	San Diego, ID	1120
	1849 XHQS?	95.7	BCN	Tijuana	1100
	1851 KQSW	96.5	WY	Rock Sprs., r	1025
	1853 KFSD	94.1	CA	San Diego, PSA	1120
	1854 KDIG	98.1	CA	San Diego	1120
	1910 KCPK?	98.7	UT	Salt Lake City, r	
	1920 KCFR?	90.1	CO	Denver	810
	1920 KTSC	89.5	CO	Pueblo, ID, promo	
25 Tr	0848 WKXI	94.7	MS	Jackson, ad	525
	0859 WJPR	96.3	MS	Jackson, g	525
	0902 KLAJ	105.1	TX	Lufkin, PSA	265
	0904 KOOI	106.5	TX	Jacksonville, ID	260
	0908 WKYV	106.7	MS	Vicksburg, ID	495
	0926 KWBW	107.1	TX	Waco, ID	170

(continued on page 32)

Frank Aden, Jr.
1335 NW 13th Ave.
Send RF 97701
(303) 389-5448
Deadline: 10th

Randall Clark, RT 5 Dutch Ridge, Parkersburg WV 26101 1977 and 8
Wed Jan 26 Bs ch 4 1608 EST- CBS net show "Tattle Tales" in progress. PTA OK TX
ch 5 1552 EST- -Vega program in progress. PTA TX, WM. (I would suspect a
FBS station but no current schedule available yet. --FEA,
ch 5 1615 EST- -PBS station with "Sesame Street". Suspect KTXI or WUPV
ch 6 1556 EST- -JELD 3,4 CB with a VITS. VERITCAL interval test signal.
Suspect WJTA but see TF without VITS at 1706
Sat Jan 29 Es ch 3 1821 EST -CHD with Country & Western Show, 20 Kc offset with WSAZ.
Mon Jan. 31 Es ch 3 1825 EST- CBS net "Match Game 77" in progress.

Thu Jul 29 Es 95.7 1150 PDT -Possible country station with Jessie Colter, "Suspect vs Mind". Station was overriding a local station, KKKH with a 10 watt booster.

Sat Aug 21 Ms 92.5 2358 PDT "...On Disco Soul 92..." Signal may have been 92.3 as the signal may have been strong enough to bleed over.

Sat Jan 15 Ms 94.1 0943 EST -PSA on child abuse. KALL KXTZ, KZIQ say no. No reply from KBOW, KDNW, KGLK. KZIQ is now automated rock "EA Dept. of Ariz. consumer feature on various types of bans available on the market. Then followed by soft rock or MOR format. Not KSUC, KCCK. No answer from KESD. Stations from Midland TX area in between 1130 & 1900. Could this be a new station not listed in FM ATLAS?" Signal was none.





STATS

Andy Bolin, Editor
 709 Lincoln Ave.
 Charleston, Illinois
 61920
 Tele. 217-345-5778

IT'S TIME FOR CHANGES! Up until now the only FM records kept were those for the largest distances. Now it's time to add two more forms of statistics, a "STATES STATS" & "STATISTICS SURVEY".

But first let's talk about the distance records for 88-108MHz that Glenn Hauser did. I'll do my best to run the column bimonthly. The deadline will always be the 10th of the month, and I'll run 2MHz at a time. So far we have a lot of new records below 97MHz, but only one above 102. When space permits, I plan to have a "REVISIONS" section like Glenn originally did, so keep those records coming in! **ONE CHANGE!** It will be mandatory that you give the date of reception for each candidate. This WILL NOT be printed in the VUD, but it is wanted for the files.

STATES STATS

Have you ever wondered who's heard the most stations from CA or NY? Or what about WY or DE? Would it be a DXer from his home state, or someone 1200 miles away? We'll find out with STATES STATS! The rules for this game are simple. A station counts from its city of license, NOT its transmitter site. In other words, whatever state a station is listed as being in in the FM ATLAS counts. This is the opposite of the way we count stations for distance records and for totals in the Scoreboard! The reason is because some DXers may not know the transmitter site for a station, and in this type statistic just one station can make all the difference. For the fun of it, not only will the largest total from a state be printed, but also the second largest total! So if you think you've heard the most, or second most stations from any of the 48 states, send that total now. The competition could be fierce, if you're willing to participate!

STATISTICS SURVEY

Quite simply, just answer these questions if you think you may have the record. And if you don't see a question you want asked, send it too! Non American stations on class A frequencies with more than 3 kilowatts are NOT eligible for questions 11, 15 & 18.

1. Largest number of frequency changes logged.
2. Total number of ten watters logged.
3. Closest ten watter via Es.
4. Farthest ten watter via Es.
5. Farthest ten watter on tropo.
6. Au total in the educational band.
7. MS total in the educational band.
8. Es total in the educational band.
9. Largest number of stations logged on any one frequency. (Example: if you've logged more stations on 92.1 than any other frequency, then I want your total for 92.1.)
10. Largest number of stations logged on any one frequency in the educational band. (See question 9 for help.)
11. Closest Es station logged on 106.3 or 107.1.
12. Closest Es station logged on 107.7 or 107.9.
13. Closest Es station logged in the educational band.
14. Largest number of MS stations on any one frequency. (See #9 for help.)
15. Closest MS station logged on a class A frequency.
16. Closest MS station logged on a class B-C frequency.
17. Closest MS station logged in the educational band.
18. Closest Es station logged on a class A frequency.
19. Closest Es station logged on a class B-C frequency.
20. Closest Es station logged in the educational band.

THAT'S IT! Please send your answers to any or all of the 20 questions asked in the STATISTICS SURVEY if you think you might have the record. Get your station totals in for each state for the STATES STATS. We've had more Es this winter than the summer of '71, so get those distance records in too! None of this can work without your support!

73, A.B.

PHOTO-NEWS

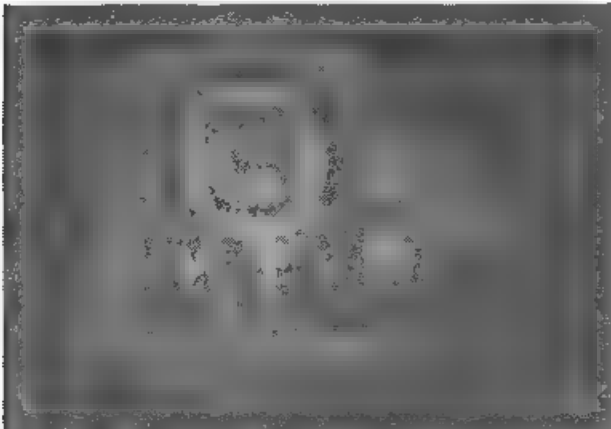
Jim Alexander
4 Brook Court
Parsippany, NJ 07054

April, 1977

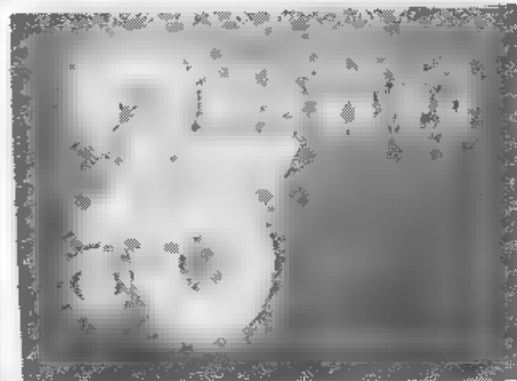
Feature: "Uh, how we love those winds!" - (Buck Battin)



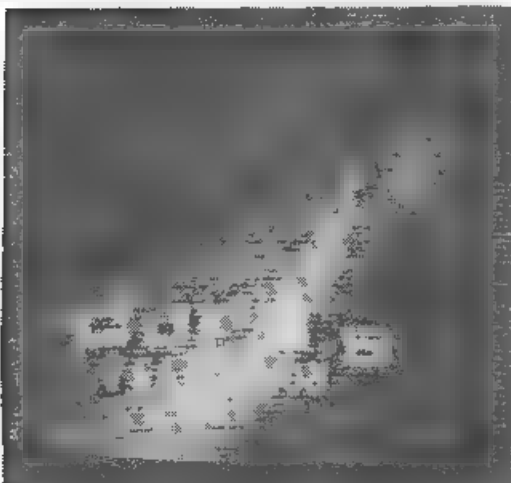
This month, PHOTO-News features what happened four days after Buck Battin mounted his new 7' dish. Winds gusting to over 100 miles per hour caused a guy wire to snap, and the result can be seen at the left. It wasn't a total loss; the mast stopped with the dish a couple of inches from the roof, and the dish settled to the roof unharmed. Buck's ten-element low band yagi (behind the dish) did sustain damage, however, and had to be replaced. (My condolences, Buck -- hope this is the last time it ever happens to you. Also hope this sort of thing didn't take place at many other QTHs this winter! One thing's for certain: it's been a winter we'll all remember for quite some time to come. - jja)



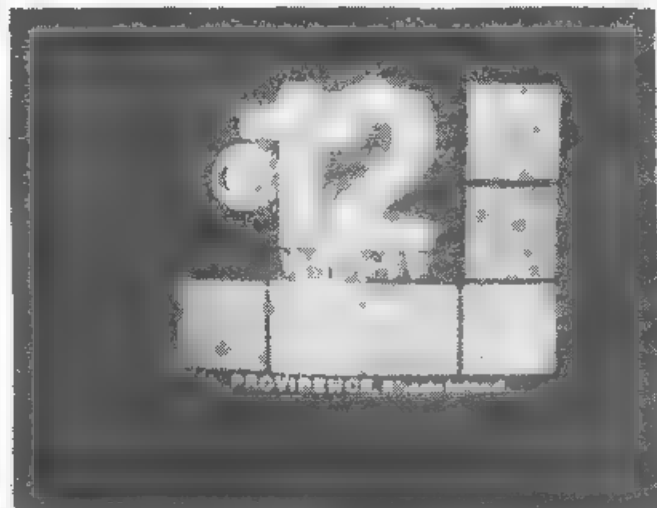
KTVS- 3 Sterling, CO
E-skip (Pizzi)



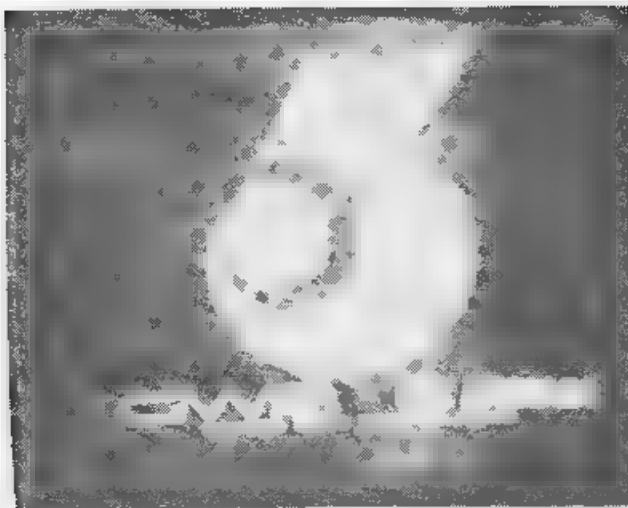
WEYI-25 Saginaw, MI
255 mile tropo (Traska)



WJFB- 5 Swift Current, SK
1,280 mile E-skip
7/17/76 (Gaines)



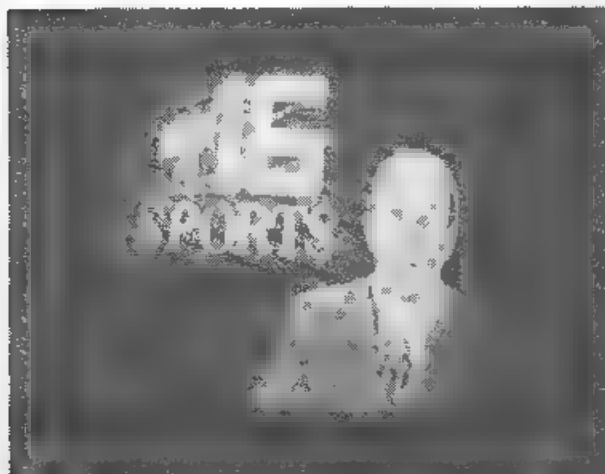
WPRI-12 Providence, RI
395 mile tropo (Yingling)



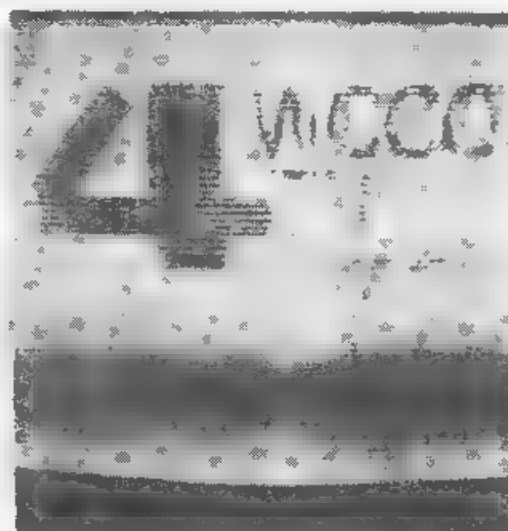
KTLA-5 Los Angeles, CA
E-skip
6/5/75, 0930 CST (Hauser)



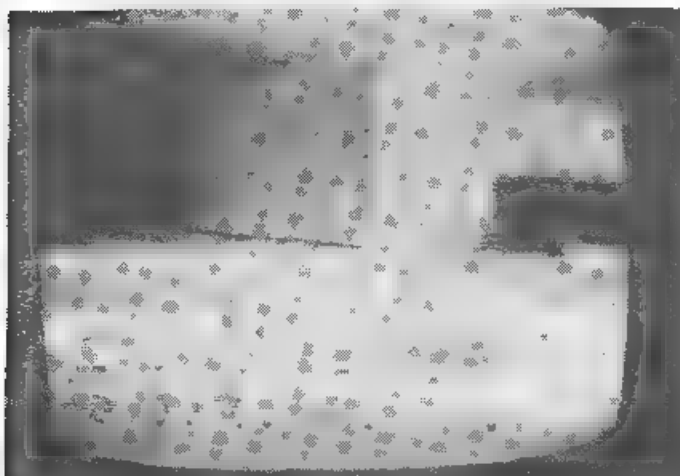
WSFA-12 Montgomery, AL
380 mile tropo
1/4/77 (Combs)



KLHI-16 Joplin, MO
515 mile tropo
7/23/74, 0655 CDT (Gould)



WCCO-4 Minneapolis, MN
920 mile E-skip
6/18/76, 1630 EDT (Egan)



KDAL-3 Duluth, MN
E-skip
6/9/76, 1626 PDT (Allen)

My thanks to Buck Battin,
Duluth, Minnesota, for the feature
material, and to the rest of our
10 contributors this month:

Jim Pizzi, Orcutt, CA
Paul D. Traska, Buffalo, NY
Paul Gaines, Detroit, MI
Tom Yingling, Baltimore, MD
Glenn Hauser (photo taken at
Enid, OK)
John F. Combs, Orlando, FL
Jim Gould, Kokomo, IN
Dave Egan, Valleyfield, PQ
Frank Aden, Bend, OR

Anyone planning on a para-
bolic -- remember, they're wind-
catchers. Mount them carefully!

73 and good DX, *Jim*

TECHNI- CORNER

conducted
by
Dave Janowiak

EDITOR'S NOTE: There was not enough time this month to transcribe the next portion of the tape of Dave Janowiak's convention lecture into a written article. The series on polarization will continue in May. In this issue, Dave presents a question-and-answer session. --CLARKE INGRAM

UHF CONVERTERS

QUESTION...Gary Olson asks, "What can be done about slop from strong locals on channels 5 and 6 that makes UHF reception difficult with UHF converters? I've written to Blonder-Tongue asking about conversion to other channels, but received no reply."

ANSWER...VHF signals that mess up UHF conversion on channels 5 and 6 "get into" the converter through three paths: the UHF antenna directly; the VHF antenna, of course, where they might be coupled via poor shielding or a selector switch with poor isolation into the UHF portion; or direct pickup by the converter, as the wiring, etc. acts as a pretty good "antenna" for strong locals. The result, of course, is random "blips" from any strong VHF or UHF source that might block UHF. Obviously, you can't do much about some of these, unless you buy a new converter. But let's start at the beginning.

UHF is received conventionally with either a "built-in" UHF tuner that comes with all-channel TV sets, or a UHF converter added externally to a TV set and connected via a few transmission line hookups.

With the built-in tuner, UHF channels are converted to the IF frequency of the TV. With UHF selected, converted UHF signals are fed directly into the TV IF. There's no RF amplifier—like British UHF tuners—or no IF stage ahead of the TV IF to boost the desired signal after conversion. (A few rare sets years ago had an IF stage after the conversion.) With UHF selected, you operate a 2-speed dial for the UHF channel desired, usually with some difficulty.

The so-called outboard UHF converter converts UHF to a lower frequency also. But to simplify hookup, the converter output is not the IF frequency of the TV, but is a discrete VHF channel (or channels). Thus, the converter feeds the TV tuner set to the output of the UHF converter. Since the TV's VHF tuner converts this to the IF frequency of the TV, you have double conversion. No converter in the U.S. has an RF stage, but the quality ones have an IF.

Channels 5 and 6 were chosen as the converter outputs for reasons I don't know. The fact that they are adjacent simplifies design, and the improved noise figure of a low band TV channel and the absence of slop above channel 6 help. Although commercial converters for different RF channels—or converters with a tuneable output to span several channels—are possible, they are uneconomical. So the two adjacent channel setup of channels 5 and 6 was adapted. If you have a local on 5, you use 6, or vice versa.

A good UHF converter with IF stage and, usually, easier tuning has been favored by DXers over the built-in tuner, though the detent tuners of recent years have changed this. Since UHF tuners in all U.S. sets were added only to comply to the law, and even today lag far behind the state of the art, the buyer has suffered. Two or three basic types of transistorized UHF tuners are available for all U.S. TV sets, and none are really worth a hoot for serious DXing. In fact, even the top of the line UHF converters with transistors leave a lot to be desired as they are almost useless in some strong signal areas, as reported by many DXers. (More than one DXer has asked me how to get a good "old fashioned" tube type converter of the 1962-1964intage. Some have been delighted to find good tube models for their strong signal areas.)

At the superior performance of a UHF converter, however, does not come without some problems. (UHF and VHF sections are not shielded correctly, coupling of VHF signals into UHF section, and vice versa, may occur. Also, switching is required to feed VHF through the converter to the TV antenna terminals when UHF is not selected. Unfortunately, in some models this also may mean interaction between VHF and UHF. Worse, VHF loss may be as high as 30% in the switch. For critical, weak VHF tropo, the VHF antenna should bypass the converter.) When switched to IF with a strong channel 5 or 6 selected, VHF is attenuated many, many times, but sometimes a lone VHF signal remains to fight weak UHF. If your TV has poor fine tuning or poor adjacent

channel rejection, or if you don't have enough UHF to begin with, you may have a problem, especially if strong VHF is somehow getting into the converter.

The coupling problem is usually annoying if a local under 10 miles is ruining channels 5 and 6. I don't think Gary's problem is at his Illinois DX site, where WMAQ-5 in Chicago and WITI-6 in Milwaukee are strong indeed with a good VHF antenna, but shouldn't be strong enough to hurt UHF. (His to me is a "dream" DX location, a fact that Gary would never have admitted to until he joined this writer in the shadow of Milwaukee's lousy TV stations.)

Solutions to the problem are many, depending upon how bad your DX setup is. The problem may be solved at no cost at all. Obviously, the problem is limited to those who DX with converters within a few miles of local VHFers.

- 1) If you use an all-channel log periodic (2-83) antenna, you've got two strikes against you already. These antennas usually have a splitter for separation at the set of VHF, FM, and UHF. And these splitters are usually abominable. Not only is isolation poor (that is, some VHF in UHF splitter section, etc.), but loss is high as well. Also, the gain on a channel 2-83 antenna is so low to begin with at UHF that after the split, you're lucky to have any signal left. Generally, an otherwise fine 2-13 log periodic is ruined when a UHF log portion is "stuck on." Impedance match goes to heck, so VHF suffers also. Many makers compromise so that the VHF portion is still quite good, but UHF performance is poor. You'll usually be better off with, for example, the largest 2-13 only log periodic and an inexpensive UHF corner reflector and correct lead-in than the largest 2-83 log periodic in the same antenna family. Even if you have no problem like Gary's. The log periodic principle, while fine for delivering "flat" impedance match over a wide frequency, just can't deliver high gain and such flat impedance from channel 2 to 83.
- 2) Any UHF antenna picks up some VHF signal (and therefore channels 5 and 6), but this should be negligible except in the case of a poor splitter just described. Nothing can be done about the VHF signal coupled into the UHF section within the converter, but much VHF signal might be coupled from VHF to UHF via the T-line, if unshielded, especially if lines are parallel and quite close. Of course, if antennas are mounted too close to each other, VHF coupling into the UHF antenna will contribute to the trouble. Separate the antennas (usually at least five feet) and lead-in, and see if that helps. Also, check if unshielded T-line is positioned broadside to local transmitters; this can cause considerable local signal pickup.
- 3) Traps, of course, in the UHF line for channel 5 and/or 6 will help. (Of course, other VHF signals can ruin a few UHF channels.) Use Channel Master or Jerrold tuneable traps for severe problems, but a cheap T-line wave trap (see December VUD) might be enough to solve the problem if the VHF signal is entering from the UHF line. Of course, the Channel Master creates a loss of about 20-40% of all signals, the Jerrold 10%, and the T-line trap none (approximate values). Finco, Winegard, and JFD all sell cheap screwdriver or slug-tuned traps either for single VHF channels or low/high band. I haven't purchased these, and haven't heard of anyone who's used same, so can't evaluate them.
- 4) Some UHF converters have a high pass filter in the UHF antenna input circuit. This passes only UHF and reduces greatly any VHF component. Adding circuits of this type, with correct impedance, will help tremendously.
- 5) Another approach is to get more UHF signal. Since the converter output is broadly tuned to cover channels 5 and 6, try reducing converter IF bandwidth to just channel 5 or 6. My B-T BTU-2 had an IF output quite low at channel 5, higher through 6, and really peaked at 90 MHz in the FM band! I removed the swamping resistor and "created" a bit of inductance by compressing the coil until I had a three-megahertz bandwidth output on channel 5. Circuit Q was increased by about three times. This made some visual improvement of signal, and slop from local channel 6 was nonexistent. Of course, on very weak signals I can't tune sound and picture, but who cares? Return the output for the most "open" channel. Of course, if you are handy enough with electronics to do this, you can build simple L/C parallel or series traps to remove other strong VHF signals that might enter the converter (and, of course, VHF tuner), and mess up some channels. And a good low noise mixer diode like the IN21WE can improve the noise figure quite a bit for a better UHF signal. (Those with even limited electronic knowhow and equipment can try to improve their UHF converter considerably, even if no slop problem is there, by narrowing the IF bandwidth and adding a good low-noise diode as noted above.)
- 6) Yes, you can redesign for an output at channel 2, 3, or 4; any converter will tune UHF on these channels anyway, but usually the signal is down due to mismatch. Try tuning UHF on 4 anyway; the IF output might be so mistuned that it's useable on channel 4. Shielding of your converter might help, also...or you can buy another converter, and hope for the best!

Next month, our series on polarization and DX continues.

73, Dave Janowiak

1. J. P. Combs
 2. W. Harvard
 3. Land FL 12804
 4. LEAF, SEED WC
 5. RE PERIODIC FC
 6. H+S (1/1/11)

This will be the last installment of the SOUTHERN TV-DX column. Please send all future reports to the EASTERN TV-DX column, with address as follows:

Bill Thompson
1907 Geneca St.
Buffalo NY 14210
Deadline: 10th each month

-Skip has left us for the most part, as is to be expected for February and March. Openings were noted February 5, 15, and 27, with other dates possible, as evidenced by Randy Clark's reports of frequent C on Chs. 2 & 3. The only recent tropo seems to have occurred the 25th-26th, including some nice captures by Dave Cox on rabbit ears. Unfortunately, your editor never seems to be home when these type of openings occur. hi!

[illegible]

Love that
TROPIC!

Equipment:	1970 Sears 21" color table model with built-in rabbit ears.	
	GE multiband portable radio with 7 channels 2-13 and built-in whip.	
February	25 Tr 2231 WCIQ-7 AL 50	26 Tr 0136 WFLC-7 LA 745
5 Tr 2225 WBRZ-2 LA 330	2229 WALA-10 AI 200	Lake Charles
Baton Rouge	2332 WTUV-9 MS 40	0136 WSB-2 JA 150
2227 WLRG-5 AL 200	Tupelo	0210 WFL-7 FL 205
Mobile	2345 WCBI-4 MS 100	Panama City
2228 WSFA-12 AL 100	26 Tr 0000 WLBT-3 MS 225	2230 WA A-5 JA 150
2229 WTOK-11 MS 130	Jackson	(CL OF RDS :)
2230 WAFB-9 LA 330	0110 WNL-4 LA 310	0026 WTV-12 LS 225
Baton Rouge	New Orleans	Jackson

First DX seen here since the summer of '76...some nice tropes were received from the SW on just the built-in antennas. Sure wish I had an outdoor antenna! Audio on the GE was often much clearer than that on the TV. (That's due to the fact that on most TV receivers, the set is built to fade out the audio in the absence of a strong video signal. The audio and video frequencies are 4.5 MHz apart. Especially troublesome, therefore, are situations where the audio frequency is weak with no video signal present. On most sets, that audio signal will be suppressed, and maybe not even audible---ifc)

Not much to report from here. Have seen no skip since last report and hardly any rope action. There was a pretty good "r" peening last night (3/6-jfc) that brought in Washington area...also a couple of NC V's that usually have a weak sig were almost snow-free. Oh, well, things are bound to get better!" (We can hope!-jfc)

April 1977

ardall T. Clark, Rt. 5, Dutch Ridge, Parkersburg WV 26101 (EST)

February 17 Es "Cuban CCI on 2" 20 Tr "All above (2/7) +":
 1 Tr 2070 WWVU-24 WV 85 21 Es? "Au-type shimmer- 2115 W31AA OH 70
 1030 WKEF-22 OH 145 on 2,3..." March
 2070 WPBO-42 OH 85 22 Es? "Cuban-type CCI 2 Tr 0815 WKEF-22 OH 145
 2070 WUAB-43 OH T as yesterday-- 0816 WOSU-34 OH 90
 2370 WLEK CCI/WHIZ-18 stronger, but 0816 WPBO-42 OH 85
 6 Tr 2330 'All above +": faded out..." 0825 W31AA OH T
 2330 WKEF-15 OH 115 23 Es? "Wierd 10 kHz 0825 WUAB-24 WV 85
 2330 WKEF-34 OH 90 test again... IKA 0830 WUAB-38 KY 120
 2330 WPBO-43 IA T ...1545 p... 0830 WUAB-49 OH 125
 2 Tr 0830 WUAB-49 OH 125 Cuban audio..." "Dead at 1000"
 0830 WUAB-42 KY 100

well, the weather has taken a turn for the better. But I for one wonders how
 all Thompson survived what appears to be the worst winter season yet!! Sorry
 about giving incorrect info on my college plans, but now to set the record
 straight--I will be attending (definitely) W. State college in Charleston WV or
 bout 1 year, then it's on to WV Tech.....Well, here's my 'statistics': I am
 0 years of age. I started DXing in June, 1973. Enjoy reading & watching sci-
 ence fiction & Star Trek--a true 'trekkie' at heart!! Photography's another
 chry that I seem to enjoy very much (I'm just getting into it--jfc) as well as
 eing interested in radio wave propagation...I'd just love to be on a gov't.
 research project concerning studies with various forms of propagation...I am as
 all a fan of NTC Saturday Night and Monty Python's Flying Circus. A comedy fan
 am--5 cassettes on comedy alone! Well, how much more do you want me to write?"
 I think that's quite enough, Randy, tnx for your "stats". I have approximated
 our distances in your report above. Are all those stations really "DX"? I.e.,
 tations that are not normally seen at your QTH? If so, what type of antenna
 et-up do you have??--jfc)

ohn F. Com's, 816 W. Harvard, Orlando FL 32804 (EST)

resent equipment: Sears 17" B&W TV (UHF screwed-up, V.F. ailing)
 RCA 9" portable B&W TV (No VHF, UHF okay)
 Archer V-150 VHF antenna at 25 feet above ground.
 4-bay UHF antenna at 30 feet above ground.
 Winegard AC-4990 UHF pre-amp.

February 15 Es 0948 KETS-2 AR 785 25 Tr 0655 WMAZ-13 GA 318
 5 Tr 0011 WITN-7 NC 526 Little Rock *0708 WJWJ-16 SC 290
 0011 WCTI-12 NC 508 0952 KARK-4 AR 785 *0708 WTCG-17 GA 398
 0035 WTVD-11 NC T 0954 KFSM-5 AR 901 *Logged on VHF ant: UHF out.
 will withhold my comments until next time.

id now.....our first international reporter!!

nston Smith, 4 Rifle Rd., Norman Gardens, Kingston 2, Jamaica, W.I. (EST)

ggings made February 27, 1977 between 1630 and 2030:

WBRZ-2 Baton Rouge LA (1285) "Good picture & sound"
 WBAF-3 Pensacola FL (AL) (1140) "Good picture & sound featuring WWOS, etc."
 WDSU-6 New Orleans LA (1225) "Nx at 6 P.M. followed by Wx & sports"
 WERG-5 Mobile AL (1250) "CBS network--a game of golf was seen"
 WDIQ-2 Dozier AL (1090) "Good picture, not so good sound..."

his is my first contribution to your column. Things don't happen very often in
 ese areas, but I hope to be able to contribute whenever 'things do happen'....
 tching with a 23" B&W electrochrome with an ordinary 'fan-type' antenna about
 ' above ground....more next time--73!"
 hat certainly was a nice opening, Winston. As you can see I've figured the
 proximate distances for your loggings. It must be nice to DX with channels 2-
 clear!! I suppose the only real DX activity one has down that way are the Es
 enings, although S. Cuban tropo might be possible. I wish more of our non-USA
 porters would contribute--jfc)

ank you all for your support of this column during the 4 months of it's exis-
 nce. I hope you all contribute to Bill's column in the future. I've enjoyed
 iting this column immensely and hope to do one again in the near future. God
 bless you all, and thanks again!! 73, John.....

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14240

April 1977

TV-DX from the Northeastern U.S. and Eastern Canada

DX conditions in most of the Northeastern regions of the continent were about normal for late winter: very dull. However, some of the areas hardest hit by the infamous Winter of '77 enjoyed a preview of spring in the first part of March. With very stable high pressure during this period, some Northeastern U.S. cities reached temperatures in the mid 60's to low 70's for the first time in many months. Thanks to this early northerly movement of Gulf air, we may have some interesting tropo reports next time. Be prepared for E-skip!

Bob Seybold Bennett Road Dunkirk, New York

"Not much DX here for a long time—but haven't watched much either. It has been a terrible winter, as you can guess. Some of my antennas went down in one of the storms and they will probably not be put back up till spring. I can say much about snow—you in Buffalo have had plenty too! I can report this small amount of DX:

January

2 Tr "Evening—all Detroit U's good, also WEYI-25 WEAR-23 WUHQ-41 CKCO3-42 and other Canadian U's on 40, 32, 48, 59, 76, 78—also WJAN-17, many WNED translators and these: WKBS-48 WPMZ-69 Allentown PA, W60AD-60 Savona NY, Scranton U's, WUTR-20 WENY-36 WNPI-18 WNPE-16 and others."

"Also some occasional E-skip observed especially on channels 2 & 3 from time to time in December and January—no IDs, and not good openings. Looks like it has been a long winter here and generally bad DX season for most."

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EST)

January

5 Tr 1200	W50AA-50 NY	February	10 Tr 2130	"Detroit, Youngs- town, Binghamton, Scranton, etc."	11 Tr 1935	CBLEF5-15 ON Belleville
	W64AG-64 NY					CBLEF6-32 ON Kingston
1530	"Binghamton, Elmira, Scranton, 11 Philly, Trenton, WilkesBarre"	0930	"Same as above with WKBS-48 PA and WNJT-52 NJ	2014	W60AC-60 NY	
1750	W60AD-60 NY	18	0045	unIDs 17 & 18 "south"	2015	W56AD-56 NY
	WTPA-27 PA				2016	W56AF-56 NY
	WHP-21 PA	March			2017	W62AD-62 NY
6	0050 W55AC-55 NY	3 Tr 1930	WBGU-57 OH	2047	WANE-15 IN	
	Cohocton (WSKG)	2230	"all CBLEF & CTCO repeaters"	2048	WKAR-23 MI	
29 Es 1500	WLBT-3 MS				WKJG-33 IN	
1520	WERZ-2 LA	4	1540	WDCA-20 DC	2101	WEYI-25 MI
	KATC-3 LA	10	2040	CBLEF4-44 ON Peterborough	2114	WPTA-21 IN
1530	WEDU-3 FL				2245	WGTE-30 OH
					2246	W39AA-39 IN

David J. Egan 92 Joron Valleyfield, Quebec J6S 3P3

"...My interest in DXing has not waned. My time simply does not permit me to sit in front of a television set watching fuzzy pictures and flashing lines as I used to be able to do...Of course I still periodically check the dials and mark down scribbles when I note E-skip or strong meteor-scatter, but I have not actively logged since last summer. In 1970 my antenna system was an all-channel VHF yagi on a 15-foot pole guyed on my roof at 12a Andrew. I was not equipped for UHF. In 1975 I set up first a 52-foot tower at 12a Andrew and then a 68-foot tower at my 92 Joron address, with a 7-foot UHF dish plus a VHF set-up. In 1976 I sold my tower (which I had dreamed of getting for five years) to my brother-in-law and took a vacation in Florida with the money. How values changed in only six years! Today in 1977 I have an all-channel VHF yagi and a small UHF screen on a 15-foot pole attached to the side of the house. With a little luck I pick up WNPI-18 Norwood, NY, which is only 45 mi. away. I rarely get a good color picture from channel 18. My current location affords little tropo DXing and even the E-skip is poor. Perhaps should I change my location later this year my taste for DXing will return with better conditions, but as I said earlier, time is the biggest factor. The only thing I can say to those members who, like me, haven't the time to report in as often as they'd like, is to at least try to send in a couple of lines once in a while to your column editor to let the club know what you're up to. I personally have not been heard from in about ten months. I should have tried to find a little time to write in, but I guess I overlooked it. If you could send in a small report you would see how more interesting you could make your column and your publication itself...for now, 73 and best of luck to all."

Roy Barstow 70 Heritage Circle Teaticket, Massachusetts 02536 (BST)

November	January	February
15 Es 2100 WMT-2 IA	3 MS 0210 WKYC-3 OH	29 Tr 1300 WMC-5 TN
22 2200 WBDU-3 FL	0220 WEAY-2 VT	1458 WMAB-2 MS
"Es in & out late	0233 KMOX-4 MO	1500 KETS-2 AR
afternoon, evening"	"best morning for	1502 KTBS-3 LA
	MS here with many	1530 WMAB-2 MS
December		WLBT-3 MS
15 Tr 2000 "NJ ETvs,	unIDs"	
to Philly, WNYC-31	Tr 1345 WVIA-44 PA	11 Tr 1658 WCMC-40 NJ
2200 & semi-locals"	1650 WVTM-41 VT	1700 WYAB-27 VA
21 Es 1730 WRBL-3 GA	WLIW-21 NY	WHRO-15 VA
WSJK-2 TN	WPHL-17 PA	
1800 WSM-4 TN	"NJ UHF ETvs"	March
1830 WLBT-3 MS	unIDs to 2130,	1 Tr 2230 W62AB-62 RI
1900 WBAW-3 FL	channels 2- & 3	(W62B Xltr)
1930 WDIQ-2 AL	1630 WBAW-3 FL	3 2030 WCPB-28 MD
"skip started coming	WHRG-5 AL	"plus NJ UHF ETvs"
in around 1445--out	"out at 1735"	5 2300 WCMC-40 NJ
around 1945. Up to	1230 KETS-2 AR	WBOC-16 MD
channel 5 at times."	WRCB-3 TN	WCPB-28 MD

"During this DX period there were no real tropo openings to speak of. Have you ever opened your front door during blizzard conditions and found your mast, VHF antenna, UHF antenna, and rotor on your front lawn? Who says Cape Cod doesn't get snowstorms? No part of the mast bent or broke (dowels inside the pipe to strengthen it). The bottom of the rotor broke off. 7' dish a mess, but high-band Super Vector could be salvaged. The mast came off the 70' tower. Thank God it happened late at night and didn't hit the house."

Dr. Joel Rosenberg Apt. 909 - 40 Godstone Road Willowdale, Ontario M2J 3C7

"I got married and am now living in Willowdale (N.E. Toronto) on the 9th floor of an apartment building. Our balcony faces north-east (lousy for DXing!). Work has been keeping me very busy--however, over the summer, I was able to catch a couple good openings. Better late than never to report! Using a loop, WXXI-21 and CICO28-28 were seen quite often. With slightly improved conditions WNPE-16, WQNY-24 and CBLFT1-76 were common. I also use a home-made 4 bay bow-tie antenna. I was able to catch some of that big opening in late August:"

July (all times EDT)	24 Tr 1730 WBRB-28 PA	7 Tr 0900 WSYE-18 NY
31 Tr 0820 WPMJ-21 OH	WNPR-16 NY	WENT-36 NY
"using loop"	1805 WBNB-30 CT	WUAB-43 OH
WKBN-27 OH	New Britain	unID-66
WYTV-33 OH	"First CT stn!"	"frame bar"
WUAB-43 OH	1900 WUTR-20 NY	9 0830 W46AB-46 NY
WNBO-45 OH	WKEP-16 PA	WICZ-40 NY
	WVIA-44 PA	unID-50 "ETV
August	2200 "unID 33, 41	// to WNEB;
21 Tr 1000 WGTU-29 MI	(Vermont ETV)"	frame bar
WNDO-16 IN	W50AA-50 NY	52 or 53"
22 2200 WMHT-17	"CCI o/CICA-19" 13	0930 WQIN-54 PA
Schenectady	2300 WVTB-20 VT	WUAB-43 OH
"Finally!!"	St Johnsbury	CBLFT1-76 OH
WBRB-28 PA	unIDs 49, 55	WQNY-24 NY
WNEP-16 PA	"frame bars;	W46AB-46 NY
24 0830 WSYE-18 NY	CCI over CICA-19"	unID-50 "ETV,
WUTR-20 NY		again!!"
WNEP-16 PA	September	
WDAU-22 PA	3 Tr 0900 CBLFT2-40 ON	19 0920 CBLFT1-76 ON
WBRB-28 PA	London	WKBN-27 OH
WENT-36 NY	"testing"	WXXI-21 NY
WICZ-40 NY	0925 WQPR-62 MI	0930 WPGH-53 PA
WSEK-46 NY	WQBD-50 MI	WAKR-23 OH
0840 unID-22 "ABC"	0933 CBLFT-78 ON	
1730 WSYE-18 NY	Windsor	

"This afternoon (March 8), while flipping through the channels, saw CBLFT4 Peterborough ch 44 testing. A call to CBC revealed nothing other than that sister stations ch 15 Belleville, ch 32 Kingston will take to the air at the same time (when?). Engineer did not know when testing began but said that it probably was in the past few days. That's all for now."

Steven Sprachman Box 88 Moffitt Hall SUNY Plattsburgh Plattsburgh NY 12901

"There has not been much DXing here lately because of a broken TV...WCPB-57 Plattsburgh (11) on the air testing." (Steven also notes poor DX conditions at a number of other State University of New York campuses he has recently visited -bt)

WESTERN TV-DX

Doug Bueritt
1710 W Maine
Enid OK 73701
Deadline: 10th

As most of you probably know, the WESTERN TV DX reporting zone has been expanded to include Minnesota, Iowa, Missouri, Arkansas, and Louisiana. I'd like to welcome all TV DXers in these new WTV states, and encourage you to report your DX regularly!

A very nice reporter turnout this month, including four new reporters: Rick Samford, Karen Young, John Jefferson, and Dale Connolly. Let's all hope this upward trend in Western reporting continues!

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228 (CST) (07 Jan-07 Mar)
Equipment: 1971 and 1976 Penncrest b&w 9-inch sets; Archer V-100 and eight-bay UHF bowtie array at 20 feet with rotor. New loggings underlined.

J 07 Es	0959 WBAY 2 WI 1190	22 Es	1740 XHTV? 4 DF 690	29 Es	1729 KETS 2 AR 515
	1029 KUSD 2 SD 920		XHGC? 5 DF 690		1735 KAPK? 4 AR 515
	1040 WCCO? 4 MN 1110		2030 f/outs		1825 f/outs
	1100 WMT 2 IA 945	23 Es	1840-2130 MUF 4 S.	31 Es	1434 WDTN 2 OH 1075
	1110 f/out	24 Es	1557 WTWO 2 IN 935		1438 WCMH? 4 OH 1130
	1645 Cuba? 2 brief		1608 WDTN 2 OH 1075		1600 WTVN? 6 OH 1130
	1750 YSU? 4 ELS 1200		1610 WCMH? 4 OH 1150		1617 MUF 95.3 MHz
	1754 YSR 2 ELS 1200		1620 f/outs		1635 f/outs
	1829 WPBT 2 FL 1150		1645 Cuba 2	F 01 Es	1110-30 WESH? 2 FL
	1902 WESH? 2 FL 1055		1657 Cuba 3		1725-1829 WPBT 2 FL
	1915 f/out		1740 WTVJ? 3 FL 1150		1745 Cuba? 2
11 Es	1255 TGV? 3 Gua 1120		1744 WPBT? 2 FL 1150		1920 WAVE? 3 KY 945
	1340 YSR 2 ELS 1200		1759 WESH 2 FL 1055		WCMH? 4 OH 1130
14 tr	0959 KLBK 13 TX 340		WEDU 3 FL 985		1959 WDTN 2 OH 1075
	1059 KO5A 7 TX 280		1815 WJXT? 4 FL 1015		all spotty after 2015,
	1227 KLFY 10 LA 345		1825 WFT? 5 FL 975		but some traces to 2115.
	1229 KMCC 28 TX 340		WPTV? 5 FL 1150	02 Es	0955-1030 KUTV 2 UT
	KCBH 11 TX 340		1830 WCIX? 6 FL 1150		1002 KCPX? 4 UT 1080
	traces of KMCC in		1842 MUF 99.1 MHz		1315-45 KNXT 2 CA
	until apx 1500.		1900 Cuba? 5		1335 KEYT? 3 CA 1270
Es	1758 YSR 2 ELS 1200		1915 Cuba 6	04 Es	0940 MUF 90.5 MHz
	1800 XHBC 3 BCN 1010		2029 XHY 3 YUC 820		0928 XHGC? 5 DF 690
	1810 KNBC? 4 CA 1190		2045 XHTV? 4 DF 690		1535-50 MUF 2 South
	1815 XETV? 6 BCN 1100		2140 f/outs		1715-1955 MUF 4
	1839 MUF 98.1 MHz	25 Es	1917 YNTC 2 NIC 1425	05 Es	1624 WCBH 2 SC 1120
	1943 KVVU? 5 NV 1040		1925 YSR? 2 ELS 1200		1659 WEDU 3 FL 985
	2025 KCPX? 4 UT 1080		1930 YSU? 4 ELS 1200		1705 WESH 2 FL 1055
	2028 KTWO 2 WY 1015	26 Es	1821 MUF 98.9 MHz		1715 KOAI? 2 AZ 855
	2059 KID 3 ID 1215		2059 WPBT 2 FL 1150		WJXT? 4 FL 1015
	2140 f/outs		WTVJ? 4 FL 1150		1733 KPHO? 5 AZ 835
	some resurge @ 2200.		2135 f/outs		1737 MUF 98.7 MHz
15 Es	1945 YSR? 2 ELS 1200	27 Es	2005-2050 MUF 4		1745 WTVJ 4 FL 1150
	1950 YSU? 4 ELS 1200		2034 XHFM 2 VC 730		KIVK? 3 AZ 835
	2030 f/outs	28 Es	1205 WPBT? 2 FL 1150		1810 XHBC? 3 BCN 1015
16 Es	1837 KNBC? 4 CA 1190		1410 WDAF? 4 MO 700		1812 KVOA 4 AZ 750
	KPHO? 5 AZ 835		1507 WCCO? 4 MN 1110		1915 WPBT? 2 FL 1150
	1845 XETV? 6 BCN 1100		1539 KDIX 2 ND 1225		WSAV? 3 GA 1050
	1859 KIVK 3 AZ 835		1550 KFYR? 5 ND 1200		1930 XHFA? 2 SON 740
	1901 KNXT 2 CA 1190		KDUH? 4 NE 940		2010 KUTV? 2 UT 1080
	1902 MUF 95.5 MHz		1559 KOTA 3 SD 1040		2035 f/outs
	1950 XEWH? 6 SON 765		1724 MUF 107.9 MHz	06 Es	1035-1045 MUF 2 sse
	2030 KOAI 2 AZ 855		1748-58 KCMT? 7 MN		1200-1205 MUF 2 South
	2055 XHBC? 3 BCN 1010		1959 WMT 2 IA 945		1600 XHBS? 4 SIN 700
	2150 f/outs		2050 KVOA? 4 AZ 750		1612 XEWH? 6 SON 765
	2230 2 & 4 tent. L.A.		KPHO? 5 AZ 835		1630 KVOA? 4 AZ 750
18 Es	1602-45 KWGN? 2 CO		2059 KTVK 3 AZ 835		1635 KPHO? 5 AZ 835
	KITW? 2 WY		2104 KUAT? 6 AZ 750		1645 KUAT? 6 AZ 750
20 Es	0835-45 WFMY 2 NC		2225 f/outs		1717 MUF 107.1 MHz
	1625 YSI? 4 ELS 1200	29 Es	1059 KID 3 ID 1215		1800 XHP? 3 PUE 735
	1630 TGV? 3 Gua 1120		1129 KUTV 2 UT 1080		1950 MUF 106.5 MHz
	1727 YSR 2 ELS 1200		KCPX? 4 UT 1080		2059 KNXT 2 CA 1190
	1830 KBCI 2 ID 1370		1214 MUF 90.1 MHz		KNBC? 4 CA 1190
	1845 KUTV? 2 UT 1080		1255 KNBC? 4 CA 1190		2300 f/outs
	1937 KNXT 2 CA 1190		KNXI 2 CA 1190	07 Es	0150 KEYT? 3 CA 1270
	1945 f/outs		1500 WDTN? 2 OH 1075		0159 KNXT 2 CA 1190
22 Es	1400 TGV? 3 Gua 1120		WCMH? 4 OH 1130		KNBC? 4 CA 1190
	1435 YSU? 4 ELS 1200		1600 WSB? 2 GA 880		0210 f/outs
	1508 YSR 2 ELS 1200		1715 WAVE 3 KY 945		0945-1005 KUTV? 2 UT

Pat Dyer continued...

Well, maybe you're right about the seasons merging down here. January produced levels of Es unlike anything I've seen in that month before. As usual, a large amount of the Es was into Mexico, etc., but a lot of it has been up north with high MUFs. Perhaps we'll get a rest before the summer season shows.

<u>F 07</u> Es 1110 KEYT? 3 CA 1270	<u>08</u> Es 1803 KWGN 2 CO 810	<u>11</u> Es 1920 YSR? 2 EIS 1200
1120 KNBC? 4 CA 1190	1808 KTWO? 2 WY 1015	1200 TGV? 3 Gua 1120
1129 KORK 3 NV 1050	1825 KTVI 2 MO 790	2020 f/outs
KOAI 2 AZ 855	1828 KCPX? 4 UT 1080	<u>12</u> Es 1135 WSJK? 2 TN 1010
KNXT 2 CA 1190	1829 KUTV 2 UT 1080	1205 WCBD? 2 SC 1120
1130 KVVU? 5 NV 1040	1859 KORK 3 NV 1050	<u>13</u> MS 1357 WDIQ? 2 AL 730
1155 KSBY? 6 CA 1135	1930 KVOA? 4 AZ 750	Es 1400 KDAL? 3 MN 1250
1215 KTLA? 5 CA 1190	1935 KVVU? 5 NV 1040	MS? 1400 KCKT 2 KS 615
1225 MUF 93.9 MHz	1959 KEYT 3 CA 1270	Es 1429 KTCA 2 MN 1110
1330 f/outs	KNXT 2 CA 1190	1432 WCCO? 4 MN 1110
1517 KDIX 2 ND 1225	KNBC? 4 CA 1190	<u>14</u> Es 1040-55 KTWO 2 WY
1645 WMT 2 IA 945	2053 MUF 107.9 MHz	1129 KQTV 2 MO 750
WCCO? 4 MN 1110	2230 f/outs	1159 KUSD 2 SD 920
1659 KTWO 2 WY 1015	<u>09</u> Es 1827 WESH 2 FL 1055	<u>15</u> Es 0920-25 WSB 2 GA
MUF quickly thru FM	1829 KTCA 2 MN 1110	<u>17</u> MS 0857:40 KTCA 2 MN tp
1753 KABY 9 1105	WBUD? 3 FL 985	tr 2300 KPLC? 7 LA 325
Aberdeen SD	1835 f/outs	<u>18</u> tr 2210 KPLC 7 LA 325
unIDs 8	1959 KTWO 2 WY 1015	2342 KFDM 6 TX 275
KESD? 8 SD 1020	2020 KCPX? 4 UT 1080	<u>19</u> tr 0110 KTRE 9 TX 265
1759 KSFY 13 975	MUF 88.9 MHz	KALB? 5 LA 385
Sioux Falls SD	2034 KUTV 2 UT 1080	0113 KBMT 12 TX 275
KELO 11 975	2040 KHBC? 3 BCN 1010	<u>21</u> tr 2130 XET? 6 NL 270
Sioux Falls SD	2125 KORK 3 NV 1050	<u>22</u> tr 0715 KSWO? 7 OK 355
more unIDs 7-12...	2129 KOAI 2 AZ 855	0720 KCBD 11 TX 340
1803 KCMT 7 1150	2155 f/outs	0725 KAUZ 6 TX 305
Alexandria MN	<u>10</u> Es 1055 KNXT? 2 CA 1190	0728 KFDX 3 TX 305
KEYC? 12 1045	KFYT? 3 CA 1270	0759 KLBK 13 TX 340
Mankato MN	KNBC? 4 CA 1190	KMCC 28 TX 240
1807 WTCN? 11 1110	1100 KTLA? 5 CA 1190	0805 KOCO? 5 OK 420
Mimeapolis MN	MUF 90.7 MHz	<u>25</u> tr 0100 KFDM 6 TX 275
1812 unIDs 7-12	1110 XETV? 6 BCN 1100	0828 WAPT? 16 MS 525
Traces of 11 to 1830	1629 KTWO 2 WY 1015	WGNO? 26 LA 510
and 7 to 1835.	1659 KTVQ 2 MT 1245	0830 WMAU 17 MS 470
1910 unID 7 brief	1725 KOTA 3 SD 1040	0835 WHTV? 24 MS 620
More in comments...	1729 KDIX 2 ND 1215	0840 WBRZ? 2 LA 450
2228 KHBC 3 BCN 1010	1745 WDAY? 6 ND 1210	1935 WBRZ? 2 LA 450
2235 XHAQ? 5 BCN 1010	1758 KOA? 4 CO 810	2025 WGNO? 26 LA 510
2259 KOAI 2 AZ 855	1820 KVVU? 5 NV 1040	2110 KPLC 7 LA 325
2329 KORK 3 NV 1050	1825 KORK 3 NV 1050	2206 KLFY 10 LA 395
2340 f/outs	1827 XHBS? 4 SIN 700	2230 KALB? 5 LA 385
(quite a day! de)	1828 KOAA? 5 CO 700	WMAU 17 MS 470
<u>08</u> Es 1045 KOAI? 2 AZ 855	1838 MUF 106.7 MHz	WMAV 18 MS 630
KTVK? 3 AZ 835	1902 XETV 6 BCN 1100	WMAH 19 MS 570
1050 KVOA? 4 AZ 750	1929 KRMA 6 CO 810	WLPB? 27 LA 450
KPHO? 5 AZ 835	1959 KOAI 2 AZ 855	WRBT? 33 LA 450
1059 KTVK 3 AZ 835	KTVK 3 AZ 835	2259 WYEA 38 GA 830
1126 XETV 6 BCN 1100	KPHO? 5 AZ 835	<u>26</u> tr 0025 WTVV 9 MS 665
1122 MUF 98.7 MHz	<u>11</u> Es 1920 YSU? 4 EIS 1200	0029 KFDM 6 TX 275

Well, nature finally pulled the Es plug out of things in mid-February. From here, apparently one of the best winter Es seasons ever. The hi-band Es of February 7 was the highest MUF I've seen in nearly 18 years of TV DXing. It's the sort of event that you literally have dreams about (and become despondent upon awakening). I did manage to get a little of it on tape, but I don't have an SLR camera, so no photos of the snowy but clean ch.13 from SD (ch.7,8,11 often badly messed by CCI). I have plenty of tentatives to try to track down with program data. It will take some time, as the Dakotas, etc. have a lot likely. The theoretical MUF based on ch.13 would be around 228 MHz. It does boggle the mind a bit. And, to finish off the month, a little bit of UHF tropo. It was the best I've caught since early February 1976. Cold front came thru, though, and put an early end to it morning of 26th. 73, WA5IYX

(Some fantastic catches on hi-band, Pat! If you come up with any IDs out of your tentative stack, be sure to forward them to us. de)

(Pat mentions that his local 5, 7 in Austin, and some stations in Houston and DFW have begun a regional all-nite net show 0100-0600 Sundays. Austin is point of origin. These should make good MS targets. de)

Jim Pizzi, 300 Park, Orcutt CA 93454 (PST) (29 Jan-27 Feb) Log totals: 186
 29 Es 1119 KOCO 5 OK 06 Es 1850 KMID? 2 TX 08 Es 2043 KMOL 4 TX
 1140 KFDX? 3 TX 08 Es 1830 KENS 5 TX KENS 5 TX
 KAMR? 4 TX 1831 KMOL 4 TX 09 Es 1038 XHCH 2 CH
 KTVY? 4 OK KMID 2 TX XHI/XHFA? 2
 KOTV? 6 OK XEPM? 2 CH 11 Es 1015 XHCH? 2 CH
 1205 KMID 2 TX 1910 KOSA? 7 TX 20 tr 1724 KTSF 26 CA S.F.
 06 Es 1743 XHI 2 SON 2036 KDBC? 4 TX 1739 KQBC 32 CA S.F.
 XHQ 3 SIN 2037 XHIT? 4 CH Es on Feb 8th most intense
 XHBS? 4 SIN 2040 XEPM? 2 CH ever noted for this time of
 1850 KAMR? 4 TX 2041 KACB? 3 TX year. FM was open for over
 two hours, with ten new TX stations. Definite ch.7 Es @ 1910 w/10Kc to ABC. -

Rick Samford, 404 S McNeill, Burnet TX 78611 (CST)

I joined WTFDA in January with a strictly FM-only DX interest, but some recent UHF tropo loggings have been deemed meritorious enough for me to amend my FM-only policy.

I'm situated in a town of about 3,000 people located approximately 40 miles north-west of Austin and 100 miles north of San Antonio, in an area known as the Hill Country. Burnet is located in a moderate valley with hills in virtually every direction, which inhibits reception. Non-DX TV signals include the three network affiliates in Austin (7,24,36), the PBS station in Belton (KNCT-46) 50 miles away, and PBS KLRN-9 in New Braunfels (listed as San Antonio). The UHF stations listed at the conclusion of this letter were logged using the following set-up: Winegard 4-bay bowtie UHF array at 28 feet with an Archer mast-mounted preamp. For VHF, there is a ten-element hi-band yagi. The receiver is a 19" RCA XL-100 with a defective UHF tuner, which has been replaced by a Blonder-Tongue BTX-111 converter. Needless to say, it is considerably less than state-of-the-art in all aspects and was not assembled with DX in mind. The poor terrain and inferior antenna set-up make these loggings even more remarkable. (Just goes to show what long-haul ducting can do!) These antennas are pointed southeast without a rotor.

Within a five-mile radius since 1967 we've had four tornadoes and one hailstorm which was severe enough to have virtually all rooftops replaced. The ten-element Archer FM withstood the baseball-sized hail with no detectable deterioration in performance. The last tornado (five days ago) was two miles away, although an antenna mast four blocks away was broken in half.

The main reason for this report, of course, is to notify you of my reception of WBBH-20, Fort Myers FL, at a distance of approximately 1020 miles. Reception was first noted at about 0840 CST and continued until approximately 0900. Video quality ranged from extremely weak b/w to extremely weak color, but this (color) was quite infrequent. The picture lacked horizontal stability throughout most of the viewing period, but the audio was readable most of the time. For a UHF tropo logging at this distance, I had to have a QSL, and just yesterday (March 7th), I received a verification letter signed by their chief engineer, David McKelvey, as well as a coverage map. According to the map, their transmitter is located at Lehigh Acres, 14.8 miles east of Ft. Myers (Latitude 26°35'48"N, Longitude 81°37'53"W).

The distance of 1020 miles was calculated using a large U.S. map where 1"=80mi. Using this map, the mileage ratings are more conservative than other DXers' claims. The chief engineer stated that I was their most distant viewer to date.

I hope I'll be able to report more long-haul tropo now that spring has arrived.

21 tr 0755 KDOG 26 TX	25 tr 0745 KDOG 26 TX	01 tr 0805 KDOG 26 TX
KHTV 39 TX	0810 KLAA 14 LA 390	KHTV 39 TX
25 tr 0745 KEDT 16 TX	0825 KXIX 19 TX	03 tr 2055 KEDT 16 TX
virtually snowfree	0840 WBBH 20 FL 1020	2130 KDOG 26 TX
0745 KHTV 39 TX	M 01 tr 0805 KEDT 16 TX	much weaker than in Feb.

(Thanks, Rick, and welcome! I hope you'll start systematically DXing UHF this spring. If it weren't for your wind problem, I'd suggest a dish and rotor. de)

Karen Young, P.O. Box 576, Wrightwood CA 92397 (PST) (February)

This is the first report I have submitted to this column, although I've been TV DXing since 1975 during summers. It is also the first time I've seen winter Es. For three days it came in strong, then nothing since that time. Openings were very strong but short-lived--so many UNIDs.

My equipment consists of a GE 11" portable on its last legs (defunct UHF tuner, VHF tuner showing its age, too), Winegard 530 antenna up 70 feet on a rotor, and Winegard AC-924 preamp. Although I'm only about 25 miles from Mt. Wilson, I am well shielded by mountains (I am at 6000'ASL) as well as being east of it. So reception of the Los Angeles stations is weak, but that's all the better for DXing.

02 Es 2016-2042 MUF 4	04 Es 1609 KJAC 4 TX 1440	04 Es 1617 KPRC 2 TX 1370
03 Es 2013 MUF 2 TX?	1613 KBTX? 3 TX 1270	(Thanks, Karen! de)

Dale Connolly, 11468 1/2 Califa Street, North Hollywood CA 91601 (PST) (Oct 16-Feb 77)

An FM DXer for years, I am now getting started in TV DXing as well. VHF DX in So. Cal. is very difficult, as every VHF channel is taken, but the recent purchase of a 7 foot dish has opened up a whole new world from 14-83. I haven't had the set long, either, and conditions lately have ranged from average to poor, so please don't look for impressive distances in this, my first report. Equipment includes Sears 564-4019 9" AC-DC color, Winegard CW2002 VHF antenna, Finco P-7 UHF dish, presently at 30 feet. U-100 and AR-30 rotors. No preamps yet.

Local stations on 2,4,5,7,9,11,13,22,28,30,34,40,52,858. (Arggh!) Semi-locals on 3 (Santa Barbara) 6,8,10,12,15,39 (San Diego-Tijuana) 24 (San Bernardino) 46 (Guasti) 50 (Huntington Beach). Present TV total: 38 stations.

O 23 tr 1830 KSEY 6 CA 200	17 tr 1715 KBAK 29 CA 100	18 tr 1730 K62AC sKVCR-24
24 tr 0440 KLAS 8 NV 300	18 tr 1645 KMIR 36 CA 100	19 tr 0800 KMJ 24 CA 200
0445 KVVU 5 NV 300	1700 KPLM 42 CA 100	0815 KJEO 47 CA 200
F 17 tr 1700 KERO 23 CA 100	1720 K59## sKPB5-15	1345 K75BK sKVCR-24
1705 KMPH 26 CA 150	1729 K62AK sKCST-39	

Remember, "flatlanders", this is all over mountains! (that's why I left in your shorter loggings, Dale. de) Love that detent UHF tuner too! Am still trying for last "easy" (?) VHF from this location: KCOY-12 Santa Maria CA @ 150mi., but always swamped by XEWT-12 Tijuana.

Does everyone know that the new XEROX 6500 color copier can copy direct from a 35mm slide projector? Here's a way of getting large color repros of TV DX much cheaper than photo enlargements. Great for displays, and can even be transferred to T-shirts. Ever considered wearing your DX? A station ID on a T-shirt is a great conversation starter! Best of DX to everyone, Dale

(thanks for the report and the tips on novel uses of the 6500, Dale! de)

John M Jefferson, 1150 Tilson Drive, Concord CA 94520 (July 1976)

Equipment: Sony TV and Winegard antenna at Castro Valley CA.

July 03 Es 1415-1430 KPNW 3 NM 1100 miles

This is my one significant TV logging. Next most distant is KEYT-3 in Santa Barbara CA, only 245 miles off. Just never have been into TV, not even for entertainment. I don't even have my TV hooked up in Concord, since the antenna is required for FM. Castro Valley is where I'm likely to get any TV DX, Concord is my mailing address. I don't know how long Es continued on 7/3. Yours truly, John

John S Phillips, 4459 Downing Court, Pleasanton CA 94566 (PST) (February)

Equipment: Zenith Chromacolor II, CM 3617/0040b VHF antenna/preamp & CM 4248/0071b UHF antenna/preamp with CDE AR-40 rotor at 60 feet.

08 Es 0900 KARD 3 KS 1453	13 tr 1045 KBAK 29 CA 239	16 tr 2200 KBAK 29 CA 239
KCKT 2 KS 1243	1130 KCOY 12 CA 218	17 tr 2150 KCOY 12 CA 218
10 tr 0900 KERO 23 CA 239	1405 KIXE 9 CA 205	KEYT 3 CA 247
1400 KRRCR 7 CA 205	15 tr 0830 KIXE 9 CA 205	KBAK 29 CA 239
KIXE 9 CA 205	1230 KPRO 23 CA 239	KERO 23 CA 239
1710 KBAK 29 CA 239	KBAK 29 CA 239	KIXE 9 CA 205
KJTV 17 CA 239	16 tr 2200 KJTV 17 CA 239	KRCR 7 CA 205
13 tr 1045 KERO 23 CA 239	KERO 23 CA 239	

Robert J Williams, 251 6th Avenue East, Twin Falls ID 83301

<u>June 1976</u>	11 Es 2101 KARD 3 KS	18 Es 1659 KDAL 3 MN
27 Es 1336 KDLO 3 SD	2128 KTEW 2 OK	21 Es 1328 KOTV 6 OK
1402 KFVR 5 ND	2157 KTBS 3 LA	1330 KOCO 5 OK
1405 KXJB 4 ND	2257 KFDX 3 TX	1335 KOA 4 CO
1408 WDAY 6 ND	2307 KBTX 3 TX	1358 KTVY 4 OK
1427 CBWFT 3 MB	15 Es 1330 KTVO 3 IA	1435 KSNB 4 NE
1544 CKCO2 2 ON	1331 KMID 2 TX	1451 KNOP 2 NE
1600 CKSA 2 AT	1430 KTCA 2 MN	1501 KMTV 3 NE
2R 1900 XHW 2 JAL	1455 KDAL 3 MN	1528 KOTA 3 SD
Es 2026 KYTV 3 MO	1600 KXJB 4 ND	1548 KENW 3 NM
28 Es 1714 KTVY 4 OK	1646 WISC 3 WI	1717 KARD 3 KS
1719 KARD 3 KS	1658 CFRN 3 AT	22 tr 0759 KIFI 8 ID
<u>July 1976</u>	1730 KTCA 2 MN	0859 KID 3 ID
02 Es 2024 KTCA 2 MN	1759 KENW 3 NM	26 Es 1758 KVOA 4 AZ
05 Es 1730 CKOS 3 SK	17 Es 1059 KCOM 5 MO	2112 KFDX 3 TX
1742 CKSA 2 AT	1112 WDAF 4 MO	2129 KDAL 3 MN
07 Es 1228 KENW 3 NM	1128 KCKT 2 KS	27 Es 1459 KIVY 4 OK
1230 KMID 2 TX	1151 KFSM 5 AR	1510 KFDX 3 TX
1930 KFDX 3 TX	1156 KTVY 4 OK	1531 KYTV 3 MO
2031 KMID 2 TX	1347 KSNB 4 NE	1551 WMT 2 IA

Robert J Williams continued...

27 Es 1622 KARD 3 KS
1927 KARD 3 KS
tr 2013 KID 3 ID

28 Es 1159 KQTV 2 MD
1219 KDUH 4 NE

28 Es 1230 WHBF 4 IL
1330 KTIV 4 IA

Richard Noel Allen, Billings OK 74630 (CST) (February)

Equipment: Sony KVL212 color, 11 element VHF log, 44 element UHF log.

07 Es 1810-15 Mexican 7 07 Es 1839-48 KREZ 6 CO 10 Es 1905-15 XHD 4 TAM
broadcasting Canal 2 1852-1900 KOAI 2 AZ Totals as of Feb. 01:
with novela. CCI KSWO. 1900-01 KORK 3 NV 305 stations.

This winter, I have been busy DXing European longwave stations and attempting to learn code for an Amateur license. Also received call KAFU-8803 for CB. Sporadic E has been more common this winter, with skip of February 07 being most intense I have ever observed. Good DX, Allen

John Anderson, Box 186, Lowe Farm ME ROG 1EO (204) 746 8887 (31 Jan-13 Feb)

Equipment: Delhi 1057 at 64 feet, CM 0059 VHF-FM amp, CD-44 rotor, CM hi & lo-band traps, Panasonic 12" b&w.

31 Au 0040 KTVQ 2 MT 08 Au 0150 intense activity 13 Es 1230 KOAI 2 AZ 1215
on lo-band, possibly
hi-band, intermittent.

Lately, my schedule has been reduced, so I haven't been able to stay up all hours waiting for Au openings (hi) which seems to be the ideal time for them.

Doug Everitt, 1710 W Maine, Enid OK 73701 (CST)

Antennas: Wineyard K-10-26 at 30', K-10-713 at 40', Finco P-7 UHF dish at 35'.

January

14 tr 1412 KHOU 11 TX 480
1415 KZTV? 10 TX 600
Es 1914 XHIA? 2 COAH
2130 KUTV? 2 UT 810
2135 KID? 3 ID 910
tr 2200 KLTV 7 TX 320

16 MS 0904 KTVK/KEYT? 3
Es 1830 WPBT 2 FL 1290
1936 XHI 2 SON
2008 XHBS? 4 SIN

18 Es 1535 XEW 2 DF 1200
XEZ 3 QRO

20 MS burst noted on ch.9
at 1130, heavy 2-6,

22 Es 1702 XEW/XEZ/XHTV
1710 XHGC 5 DF 1200

23 Es 1939 XEW? 2 DF 1200
1950 XHTV? 4 DF 1200

26 Es 1645 WPBT/WHS? 2 FL
1720 WCIX 6 FL 1290
1745 WSAV? 3 GA 1020
1750 Cuba 3 S.Clara

28 -- noted dish down after
freak windstorm.

Es 1335 WEDU 3 FL 1080

1341 WEAR 3 FL 740

1400 WESH 2 FL 1100

1404 WDIQ 2 AL 750

1418 XHY 3 YUC

1748 KATC 3 LA 550

1750 WCIV 6 GA 870

1800 WTVY? 4 AL 810

1829 WDIQ 2 AL 750

1923 XEFB 3 NL 740

1926 KIII 3 TX 600

29 Es 0922 KAID 4 ID 1080

0930 KTVN 2 NV 1210

KUTV 2 UT 810

0932 KCPX 4 UT 810

0955 KORK 3 NV 960

1004 KSBY 6 CA 1250

1015 KVVU 5 NV 960

29 Es 1029 KTVU 2 CA 1340

1031 KCRA? 3 CA 1300

1040 KRON 4 CA 1340

1050 KNKT 2 CA 1150

1057 KTLA 5 CA 1150

1102 KNBC? 4 CA 1150

1212 XETV 6 BCN

1225 XHAD 5 BCN

1230 KEYT 3 CA 1210

1300 MUF 150 MHz

1357 WEDU 3 FL 1080

1400 WPBT 2 FL 1290

1415 XEW/XHTV/XHGC

30 -- got dish back up.

tr 1820 WAPT? 16 MS 530

31 Es 1415 WUNC 4 NC 1080

1430 WUND 2 NC 1190

1431 WRAL 5 NC 1090

1432 WWAY 3 NC 1140

WBCT 6 NC 1140

1500 WCIV 4 SC 1060

1522 WFBC 4 SC 890

1530 WNGE 2 TN 620

1545 WRCB 3 TN 730

1557 WFMY 2 NC 1020

February

01 tr 1400 KCPT/KBMA MO

Es 1707 WFMY 2 NC 1020

1710 WUND? 2 NC 1190

05 Es 1717 XEHL 6 JAL

1720 XHW? 2 JAL

XHGC? 4 JAL

06 Es 1800 XEHL 6 JAL

1857 XHW 2 JAL

1900 XHG? 4 JAL

07 Es 0858 KORK 3 NV 960

0900 KVVU 5 NV 960

1908 tuned into very
intense opening, checked
ch.7 and found good sig
with tentative WDAM-7.

Spent most of period on
FM, which was very good.

07 Es 2000 XHBC? 3 BCN

2112 XEZ 3 QRO

08 Es 1259 KTVN 2 NV 1210

09 tr 0820 KHIN 36 IA 340

0836 KRIN 32 IA 510

0940 KXNE 19 NE 380

0951 KBIN 32 IA 350

0953 KMBG 14 IA 420

0955 KYNE 26 NE 350

0956 KSIN 27 IA 420

1040 KHNE 29 NE 290

Es 2021 XHJMA 3 CHIH

10 Es 1907 XHBC? 3 BCN

22 tr 0720 KSNB 4 NE 250

KGIN 11 NE 310

KCBT 11 TX, KLBK 13 TX

KHGI 13 NE, KHNE 29 NE

KBIN 32 IA, KHIN 36 IA

0745 KVUB 24 TX 420

KEDT 16 TX 600

KIDZ 24 TX, KTVV 36 TX

0750 KNCT 46 TX 380

0810 K18AA KS

0815 KMBG 14 IA 420

KYNE 26 NE, KSIN 27 IA

0830 KHNE snowfree

KOZK 21, KMTC 27 s/free

0915 KCBJ 17 MO 350

1015 WHO 13 IA 420

1050 KUON 12 NE 300

1051 KOLN 10 NE 300

1052 KETV 7 s/free

1053 WOI 5 IA 450

1057 WWT 6 NE 350

March

10 tr 0745 KOMC 8 NE 300

KOLN 10 NE 300

KGIN 11, KHGI 13 NE

0800 KCNA 8 NE 370

0815 KHNE 29 NE 290

0825 KXNE 19 NE 380

KMNE 7 NE 430

KWNB 6 NE 300

Date January 20 22 23 24 25 26 27 28 29 31 31 Aug;
reporters 1 2 3 2 1 2 1 2 4 2 1
WUF at least 4 107.3 6 99.1 4 98.9 4 7 150 95.3 2

February 01 02 03 04 05 06 07 08 (08 Aug) 09 10 11 13
repters 2 3 1 2 2 3 3 2 1 1 1 1
WUF 6 4 2 90.5 107.9 107.1 13 7 7 2 4 2 2

Well, it looks like the winter Es season came to a halt in mid-February.
The spring tropo season seems to be getting off to a grudging start now, and hopefully will produce some more of that nice long haul ducting...

73 & the Best of DX

Doug

CENTRAL TV-DX (continued from page 26)

APRIL 1977

William J. Draab: Ellis St. R.R. #2, Kewanee, WI, 54216 CST (414)-388-2350
2-8 Tr 1845 KBNL-30(432) 2-10 Tr 1911 WFTV-33(420) 3-7 Tr 0653 WKLY-32(437)
2059 WMUL-33(498) 1914 WFMJ-21 " 3-8 Tr 0832 " "
2-9 Tr 2020 KBNL-30(432) 1917 WFTV-29(445) WFTV-33(420)
2030 WKXT-27(473) 2153 KBNL-30(432) WFTV-25(420)
2142 WOSU-34(395) 2-11 Tr 2055 WOSU-34(395) WUSI-16(402)
2-10 Tr 0715 WJET-24(405) 2-15 Tr 2157 KBNL-30(432) WKMA-35(499)
WSEE-35 " 2-16 Tr 2128 KBNL-36(457) 0837 WTTU-30(376)
0743 KBNL-36(457) 2-21 Tr 1800 KBNL-30(432) 0839 WDRB-41(437)
KBNL-32(476) 2-22 Tr 1659 " " 1811 KBNL-30(432)
0750 KBNL-26 " 1811 Cleveland U's 1830 WOSU-34(395)
0756 WKLY-32(437) 1823 WMUL-33(498) 3-9 Tr 2143 WKMA-27(420)
0803 WKMA-27(420) 1845 WKMA-20(325) 3-10 Tr 1835 Cleveland U's
WFMJ-21 " 3-1 Tr 2042 WMUL-33(498) WMUL-33(498)
1911 WKMA-27 " 3-7 Tr 0648 WKMA-27(420) 1843 Erie U's(420)

WESTERN FM DX (continued from page 15)

APRIL 1977

Jim Fissi, 300 Park, Ormott CA 93454 (1/29 - 2/27) (PST)

29 Es unID 89.9 Laredo(?), 88.3 g 8 Es 1910 94.3 Del Rio TX, EL, ID @ 1917
8 Es 1835 99.5 KISS TX San Antonio, r 8 1910 91.9 Sabins, SS (call is KHEG,
1838 95.3 KVUP TX Uvalde, hkr 1923 92.7 KBNL TX Eagle Pass, 8r
1842 102.7 KTFM TX San Antonio, r 1937 94.3 KPJH TX Fort Stockton, EL
1842 94.9 KOYE TX Laredo, r 1940 94.7 KSRB TX El Paso, EL
1849 100.3 KSAG TX San Antonio, r, "Q100 1945 88.5 KSTP TX El Paso
1854 98.5 KHPL Ciudad Acuna, SS 1948 KHPY 98.3 Ciudad Juarez, SS
1857 94.5 KHTA Piedras Negras, r 1954 KLOZ 102.1 El Paso, K
1901 104.5 KKKL? San Antonio, 8r 1957 105.5 KHEG Piedras Negras
1902 97.3 KEEZ San Antonio, r 2003 93.9 KPAS TX El Paso
1906 96.5 KIOU? Corpus Christi, EL 2044 94.3 unID SS u/KDLK
1910 TY MUF @ Ch. 7 2028 94.3 KPFM u/KDLK

The Es opening of Feb. 8th was quite unexpected and very welcomed. It was the best Feb. Es ever noted. (Send your report to SOUTHERN FM DX next month, and 73's -sw)

John Jefferson, 1150 Tilson Dr., Concord CA 94520 (1/1 2/16) (PST)

14 MS 1201 KBYU 89.1 UT Provo, o 600 30 MS 0530 KJOK 93.1 AZ Yuma, ID 550
Tr 1238 KIOY 103.7 CA Hanford, "H104" 170 0530 KAMA? 93.1 TX El Paso, SS 990
16 MS 2310 CBR 102.1 AT Calgary, 1000 Tr 2203 KNEV 95.5 NV Reno, opera 165
announced performer, also heard at 9 MS 0530 CBR 102.1 AT Calgary, o 1000
2330 & 2400 by MS Tr 1815 KGLR 105.7 NV Reno, PSA & mx 165
21 MS 0130 CHQM 103.5 BC Vancouver 800 11 MS 0525 KCGM 95.7 MT Scobey, ID 1150
29 Es 1131 KMLW 93.9 TX San Angelo, ID 1260 13 MS 0515 KROL 93.1 NE Lexington 1200
1240 KWLJ 91.5 TX Plainview, promo On 1/29 I also heard 94.7 KIXY San Angelo,
1300 KRFM 92.5 TX Midland, ID 1180 nothing above 94.7, though.

New entries are underlined. Thought CHQM was my first Canadian but then CBR came through.
The Nevada stations have been a long time coming. The CBR relog came before the original
logging was confirmed -- their card came 6 hours later -- and was notable for duration.
I used my Heathkit AJ-15 with my new winegard CB-6065 antenna for most of the above.
KQGM came in on my Sherwood S-7100 & Winegard SC-650 antenna. The Sherwoods selectivity
is very poor in comparison with the Heath's. (Thanks, John for the report, please send all
future reports to SOUTHERN FM DX -sw)

QSL CORNER

Thomas J. Vingling, Jr.
221 Pinewood Road
Baltimore, MD 21222
Phone # 1-301-282-5649
Deadline: 10th

- FL KEO-363 155.28 Andytown (Broward CO.), 444 Brickell Ave, Suite M-100, Miami, 33131. Medical Radio Paging using 375 watts. (Simon)
- KTX-803 155.28 West Palm Beach, Belvidence Rd. West Palm CO, hospital emergency paging using 200 watts with 1 unit. (Simon)
- WKAQ-AM 161.70 Boynton Beach, Box 1910, 33435. Radio station WKAQ-AM 1510khz broadcast remote pick up using 20 watts, signed by James M. Johnson, Engineering Consultant. (Simon)
- KIS-458 155.37 Belle Glade, 2976 State Road # 15, 33430. Belle Glade Sheriff Dept. using 600 watts, 14 mobiles & 1 harbor patrol boat, signed by Rollin E. Clark, Communications Supervisor. (Simon)
- OH KW-8657 161.67 Marietta, P. O. Box 708, 45750. broadcast remote pick up for WMDA-AM Radio 1490khz. Reply from Ralph Matheny, KBRVU, Eng for station. 36 watts used and reply in 7 days. (Clark)
- TV-QSL Ch.
- NB CHSJ 4 St. John, New Brunswick Broadcasting Co. Limited, corner Union & Crown Sts. St. John, E2L 1B3, NB reply from Dir. of Eng. W. A. Piekarski, received a very nice letter in 14 days. (Lord)
- NS CBHT 3 Halifax, Box 3000, 5600 Sackville St, Halifax B3J 3E9, NS, received a CBC Card in 13 days from Peter MacGillivray, Public Relations. (Lord)
- PQ CFCM 4 Quebec City, Box 2026, G1K 7N2, received letter in english from Gerard Fortin, VP of Eng. Receive reply in 8 days. (Lord)
- CJBR 3 Rimouski, 273 St. Jean Baptiste, received letter, map-folder combination and AM-FM radio info in 1 week. Send english letter & 1 IRC for postage. Reply was also in english. (Lord)
- SK CKOS 3 Vorton, 95 E. Broadway, S2W 2V9, received letter in 2 weeks from Richard Niebergall, Technical Director. (Lord)
- GA WHAE 46 Atlanta, 1810 Briarcliff Rd. NE, 30359, friendly letter from Carl Weeks (?) CE, W4BEQ mention his interest in ham VHF-UHF, and reply in 10 days. (Simon)
- LA WRBT 33 Baton Rouge, 5220 Essen Lane, 70808 - letter mentioning program, comment on how people don't use uhf & about WLPB-27 who is on their tower. He says "When conditions are right again you should try for WLPB." I did! Got reply from K. C. Jones in 5 weeks. (Simon)
- ME WCSN 6 Portland, 579 Congress St, 04101, letter from Clement R. Payeur, CE in 24 days. (Lord)
- MN KTTC 10 Rochester, 601 First Ave. S.W., 55901, received letter & copy of my report in 7 days from C. H. Sanders, CE. (Lord)
- MS WMAA 29 Raymond and
WMAH 19 McHenry, P. O. Drawer 1101, Jackson, 39205, letter for both stations from David J. Wilson, Dir of Eng. Reply in 1 week with coverage maps. Mississippi Authority for Educational Television. (Simon)
- UT KTVX 4 Salt Lake City, 1760 Fremont Dr, 84104. Received KCPX radio qsl card in 13 days from William E. Wright, General Manager. (Lord)
- WI WPNE 38 Green Bay, 110 S. University Circle Dr, 54302. Received letter from Mary Kulhanek & program guide & pamphlet on Wisconsin Education TV-Radio Network in 14 days. (Lord)
- FM-QSL
- IL WITT 93.5 Tuscola, 600 D. Main St, 61953, letter from Frederick W. Seibold, Owner and Chief Engineer. (Hathaway)
- WRTL 95.3 Rantoul, Box 115, 61866, prepared card in answer to third report, reply from Bob Brown, CE. (Hathaway)
- IN WSMJ 99.5 Greenfield, Box 248, 46140. Letter signed by Curtis R. Steele, CE said they just completed new 500 foot tower. (Hathaway)
- Reporters are R. B. Lord of Chicago, IL, R. B. Clark of Parkersburg, WV, K. R. Simon of West Palm Beach, FL, & J. D. Hathaway of Champaign, IL. 73's and keep sending reports in.

Tom

Although a number of non-commercial FM stations operate on commercial frequencies, largely to avoid interference to television stations, only four frequencies outside Alaska have legally been set aside for this use by the FCC; Bloomington IN 103.7, occupied by Indiana University's WFIU since 1951; Waco TX 107.1, occupied by Baylor U's KWBU since the 1960's; Presque Isle ME 106.1, occupied by WMEM-FM and assigned after Canada objected to possible channel 6 interference; and Muncie IN 92.1, soon to be occupied by Ball State U's WBST, stymied in its plans to run 50 kw on 90.7 by WRTV-6 Indianapolis. In Alaska, a half-dozen commercial frequencies are assigned to non-commercial FM because the 88-98 MHz portion of the band is presently occupied by point-to-point communication facilities.

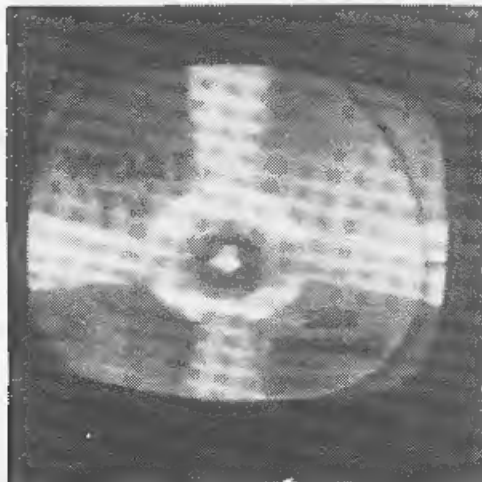
—Mike Dornier, Jr.

Memorabilia

April 1977

Robert J. Williams
251 6th Avenue East
Twin Falls, Idaho 83301
Phone: (208) 733-3621
Deadline: 10th of month

This month, MEMORABILIA presents some photos of TV-DX of bygone days, sent in by DXer Bill Draeb of Kewaunee WI. Thank you very much, Bill. (Man, those were the days, when the channels were less crowded with stations and the stations signed on later in the day, making TPs much easier to receive on Es.---rjw)



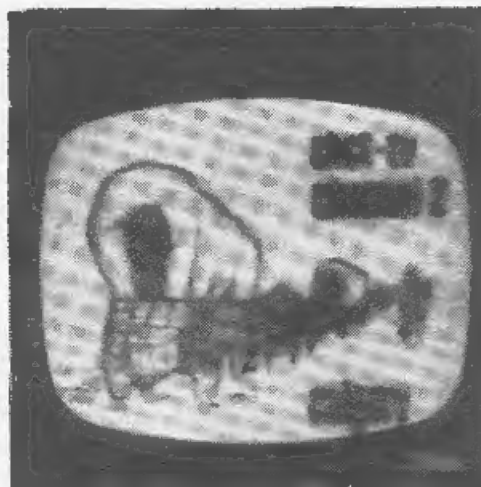
WOAI-4 San Antonio TX
1220 mi. Es (now KMOL-4)



KVTU 9 Sioux City IA
478 mi. Tr (now KCAU-9)



WTVO 39 Rockford IL
(now on ch. 17)



CHCT-2 Calgary, Alberta
1310 mi. Es (now CFAC-2)

Keep 'em coming, guys. Even "oldie" photos, QSLs, etc. of stations that have not changed call, channel, or anything are good material for this column, as well as those that have changed. Good DX to all. 73s, *Bob*



VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 10th of month

APRIL 1977

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 QSLed, GMT

5-31: 1919, N42382 128.7 50 mi nw Salisbury, MD (Navy Norfolk Flying Club; Cessna 182, 1-engine, 4-seat)
7-17: 1639, WYF 2929 157.25 off Ches. Bch., MD (PEGGY L., 43' Bay Built P/V Vessel; 25 watts)
8-14: 1957, N7748Q 127.2 nr Ocean City, MD (Edens Enterprises, Inc.; Cessna 310, 2-engine, 5-seat; 10 watts)
10-30: 1506, N7790Q 128.15 50 mi ssw DC (J. Gross & Son, Inc.; Cessna 340A, 2-engine, 6-seat; 21,000 feet; 20 w)
31: 2105, N1621 127.2 Swan Pt., MD (Texaco, Inc.; Grumman Gulfstream II, 2-eng jet, 22-seat; 14,000 feet)
11-27: 1932, N8905N 119.7 10 mi sw Balt. (Mr. Charles A. McCay; Piper Cherokee PA-32-300, 1-e, 6-s; 6400'; 10 w)
- - N992 127.95 25 mi se Dover, DE (Reynolds Metal Co.; Sabreliner 60, 2-engine, 6-seat; 20 w)

Martin J. Theil, 12 Princeton Dr., Holiday, FL 33589 (934-5843) would still like to hear from members with Bear Cat 101 and their results with the indoor rod antenna; with such, Jan 5, 5-9 pm loggings

KAA 522 42.06 Willow Spgs., MO	KAA 201 42.06 Jefferson, MO
KAA 202 42.06 Lees Summit, MO	KAG 793 42.54 Belmond, IA
KAA 958 42.06 Rolla, MO	KSB 256 39.50 Mt. Carroll, IL
KSA 961 39.50 Taylorville, IL	KEA - 35.22 NY, NY (pager)
KSB 926 39.50 Shelbyville, IL	KSB 236 39.50 Effingham, IL

Randall B. Clark, Rt 5 Dutch Ridge, Parkersburg, WV 26101 EST
3-band portable; would appreciate some help to make sure the following were Oscar 6 or 7 (or other satellite) telemetry in 2-m band

1-19: 0106-0125 20: 0000-0007, extremely loud
21: 0015-0035 & 2100
22: 2335-2339 (Tnx to John Combs for passing us this. pjd)

Now, my loggings. Allied A-2586, Hallicrafters SX-62, Hammarlund SP-600 -JX-10; two 30' long wires at 12' (ne-sw and nw-se runs); all are F2 unless noted, with daily maximum; bs-backscatter; GMT used

2-11: 1757, 32.96	20: 1810, 30.30	6: 1850, 30.30
12: 2055, 30.30	21: 2055, 32.82	7: 1845, 30.30
13: 1845, 30.30	22: 2020, 30.30	8: 1845, 32.000
14: 1910, 35.28	23: 1745, 30.30	9: 0124, KLF 527
15: 1910, 35.28	24: 2140, 30.30	1800, 32.000
16: 2020, 32.000	26: 2145, 30.30	10: 2055, 35.28
17: 2015, 31 1/2 US nw	3-1: 2110, 30.30	35.58 bs
2017, 32.96	2: 1835, 30.30	11: 0435, OK City (Es)
18: 2225, 35.28	3: 1920, 32.000	(magnetic storm on 9th)
19: 2155, 32.82	21: 1725, 30.30	

KLF 527 35.22 Honolulu, HI (tone message, voice ID)
OK City 35.58 OK City, OK (voice message & ID)

Anyone know the condition of the following pagers (i.e., on/off, moved)

KAD 931 35.58 Kansas City, MO	KAH 661 35.22 Minneapolis, MN
KAQ 611 35.54 Rochester, MN	KCB 897 35.66 Portland, ME
KCC 266 35.58 Springfield, MA	KCC 482 35.22 Concord, NH
KDN 402 35.54 Omaha, NE	KFJ 891 35.58 Columbus, OH
KGC 223 35.22 Philadelphia, PA	KGC 226 35.34 Allentown, PA

more later issues

73, Pat WA5IYX



Post Office Box 202 - Whiting, Indiana 46394
WORLDWIDE TV-FM DX ASSOCIATION

**TOUGH
TO BEAT**

Established 1967

SERVING THE
VHF-UHF DX
ENTHUSIAST



DUES: USA and Canada, \$11 (via first class); overseas, \$18 (via air mail).

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